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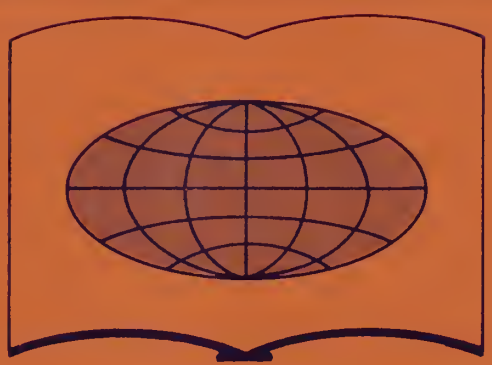

Volume 5 Number 1
January 3, 1969

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PESTICIDES DOCUMENTATION BULLETIN

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Volume 5
January 3, 1969
Number 1

A Bi-Weekly Publication of U.S. Department of Agriculture

OBJECTIVES AND SCOPE

The *Pesticides Documentation Bulletin* is compiled by the National Agricultural Library's Pesticides Information Center to facilitate national research efforts in all aspects of pest control. This bi-weekly index to the literature includes coverage of diseases, insects, nematodes, parasites, weeds and other pests affecting plants, animals, man, our natural resources and other values in man's environment. Special emphasis is given to the literature on toxicological, physiological and epidemiological aspects of pests and their control by chemical biological and integrated methods.

For broader coverage of literature on agriculture and related subjects, please consult the *Bibliography of Agriculture*, a monthly publication of the National Agricultural Library.

FORMAT

The *Bulletin* is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

10 Entomology
20 Crop Protection
30 Livestock Protection
40 Commodity Protection
50 Environmental Contamination
55 Residues
60 Toxicology
65 Plant Physiology & Biochemistry
70 Chemistry
80 Engineering
90 Industry

Citations: Each citation consists of an accession number assigned serially with the last two digits representing the Bulletin's issue year, i.e. 3286-67. The citation number (minus the year) is used in all indices. Following the accession number is the full title of the article; all personal authors; an abbreviated journal title; volume, issue and inclusive page numbers; date of publication; language abbreviation, if other than English; and the National Agricultural Library's call number. Subject descriptors, patent or grant numbers, bibliographer's notes, and abstracts or extracts may follow each citation when appropriate.

Subject Index: Subject descriptors appear in the index followed by title arranged numerically by accession number. The Agricultural/Biological Vocabulary developed by the National Agricultural Library is used as a basic thesaurus of descriptors.

Biographical Index: Names of first authors are arranged alphabetically, followed by organizational affiliation and accession number.

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Organizational Index: Names of corporate authors or sponsoring organizations are arranged alphabetically followed by accession numbers of pertinent citations.

Other Files

In addition to the citations contained in the Bulletin, the Pesticides Information Center maintains two other files, the INTREDIS Register and the Herbicides Data File.

The INTREDIS Register is a computer data bank in the field of forest pathology. It contains title and author references to abstracted articles including subject, country, host plant genus or species, organisms causing the diseases, abstracting journal and year of publication. The computer search uses boolean parameters in any combination of elements listed.

The Herbicides Data File consists of reports on field tests conducted by the Crops Protection Research Branch, Crop Research Division, Agriculture Research Service. Each test record contains the following items of information:

Compound Tested
Company furnishing the compound
Author or Investigator
Test Sponsor
Date
Location
Mode of Application
Rates of Application
Soil Types
Carriers
Crops or Weeds tested with phytotoxicity ratings
Associated documentation

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ACKNOWLEDGMENT

The Pesticides Information Center, National Agricultural Library, gratefully acknowledges the cooperation and assistance of the Department of Defense; Health, Education, and Welfare; and Interior; the Federal Committee on Pest Control, and state and industrial organizations in the development of the Center and preparation of this Bulletin. Special thanks are expressed to the Federal Committee on Pest Control for its suggestions and support. We hope the Bulletin will serve as an example of the effectiveness of interdepartmental cooperation and the speed with which effective services can be developed through a coordinated and cooperative interdepartmental effort.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget (May 23, 1968).

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This publication reports research involving pesticides. It does not contain recommendations for their use, nor does it imply that the uses discussed here have been registered. All uses of pesticides must be registered by appropriate State and/or Federal agencies before they can be recommended.

CAUTION: Pesticides can be injurious to humans, domestic animals, desirable plants, and fish or other wildlife—if they are not handled or applied properly. Use all pesticides selectively and carefully. Follow recommended practices for the disposal of surplus pesticides and pesticide containers.

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*This issue does not contain citations under this category.

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ENTOMOLOGY

1-69
RESISTANCE TO COLD IN CERATOMIA CATALPAE.
R P Dodds W R Webb
Nature 213(5071):102
07 Jan 1967 472 N21
Ceratomia catalpae, Cold, Larvae, Pyrausta nubilalis, Research, Tenthredinidae.

2-69
SECRETS OF THE INSECTS. (GE)
R Gerlach
317P HAMBURG, CLAASSEN
1967 QL467.G4
Entomologists, Insect behavior, Insect pests, Insect taxonomy, Insects.

3-69
EVERGLADES STATION KILLS HORN FLIES WITH DUST.
B W Hayes M J James D W Beardsley
Fla Cattleman Livestock J 33(3):26
Dec 1968 43.8 F66
Chemical control (insects), Dusting, Equipment, Haematobia irritans.

4-69
METABOLISM OF METHYLCARBAMATE INSECTICIDES BY THE NADPH2-REQUIRING ENZYME SYSTEM FROM HOUSEFLIES.
M Tsukamoto J E Casida
Nature 213(5071):49-51 REF
07 Jan 1967 472 N21
Abdomen, Carbamates, Chromatography, Enzymes, Insect metabolism, Insecticide resistant insects, Insecticides, Musca domestica, Toxicology.

SYSTEMATICS

5-69
A REVISION OF THE GENUS COPRIS MULLER OF THE WESTERN HEMISPHERE (COLEOPTERA, SCARABAEIDAE). MATTHEWS, E G.
Entomol Amer (N s)41:1-137 REF
1961 420 B792
Copris, Insect biology, Insect morphology, Insect taxonomy, Polymorphism, Scarabaeidae.

6-69
SOME BIOLOGICAL NOTES ON THE PTEROMALID (HYM., CHALCIDOIDEA) GENERA CAENACIS FOERSTER, CECIDOSTIBA THOMSON AND HOBBYA DELUCCHI, WITH DESCRIPTIONS OF TWO NEW SPECIES.
R R Askew
Entomophaga 6(1):57-67 REF
1961 421 EN835
Caenacis, Cecidostiba, Hobbya, Hymenoptera, Insect biology, Insect identification, Pteromalidae, Taxonomy. French summary

7-69
THE NEMOURIDAE OF ASSAM (PLECTOPERA).
J Aubert
Schweiz Entomol Ges Mitt 39(3/4):209-253 REF
15 Apr 1967 420 SW6
Insect taxonomy, Nemouridae, Zoogeography. 855 specimens were collected. 42 species of which 35 are new and localities are given. Taxonomy of all 42 species are given.

8-69
CONTRIBUTION TO THE KNOWLEDGE OF THE LEPIDOPTERA FAUNA OF IRAN. (FR)
J Barou
Iran Inst Rech Entomol Phytopathol Entomol Phytopathol Appl (26):41-58 MAP
Nov 1967 464.9 P432
Insect taxonomy, Lepidoptera, Zoogeography. Persian translation. 355 species are listed.

9-69
STUDIES ON SOME SILVATIC RESERVOIRS AND VECTORS OF TRYPANOSOMA CRUZI. XXI: OBSERVATIONS ON THE ECOLOGY OF PANSTRONGYLUS GENICULATUS (LATREILLE 1811) (HEMIPTERA REDUVIIDAE). (POR)
M P Barretto
Rev Brasil Biol 27(4):337-348 REF
Dec 1967 442.8 R326
Insect ecology, Insect vectors, Panstrongylus geniculatus, Reduviidae, Rodents, Surveys, Trypanosoma cruzi, Trypanosomiasis. English summary

10-69
SOMETIMES OLD COLLECTIONS CONTAIN SURPRISES. (NOCTUIDAE). (FR
J T Betz
Alexanor 5(3):116-118
21 Sep 1967 421 AL2
Cucullia argentea, Noctuidae, Zoogeography.

11-69
SOME THOUGHTS ON THE PTEROPHORIDAE OF THE FRENCH FAUNA. (FR
L Bigot
Alexanor 5(4):179-182
27 Dec 1967 421 AL2
Insect ecology, Insect taxonomy, Pterophoridae.

12-69
TAXONOMIC PROBLEMS IN ECOLOGICAL RESEARCH ON ENTOMOPHAGOUS INSECTS. (FR)
E Biliotti
Entomophaga 6(2):117-123 REF
1961 421 EN835
Ecology, Predaceous insects, Research, Taxonomy. English summary

13-69
SOME INTERESTING RHOPALOCERA OF EASTERN SPAIN. (FR)
F Bolland
Lambillionea 66(5/6):44-45
25 Apr 1967 420 N15
Agapetes ines, Agapetes syllius, Hesperiidae, Rhopalocera, Zoogeography.

14-69
MATERIALS FOR A REVISION OF THE GENUS OREOPSYCHE (PSYCHIDAE). (FR)
J Bourgogne
Alexanor 5(4):149-160
27 Dec 1967 421 AL2
Insect taxonomy, Oreopsyche, Psychidae. Continuation and will be continued. 8 species of Oreopsyche are discussed.

15-69
MATERIALS FOR A REVISION OF THE GENUS OREOPSYCHE (PSYCHIDAE). (FR)
J Bourgogne
Alexanor 5(3):105-112
21 Sep 1967 421 AL2
Insect taxonomy, Oreopsyche, Psychidae. To be continued. 7 species of Oreopsyche are discussed.

16-69
LISTING OF THE TRIFID NOCTUIDAE OF FRANCE AND BELGIUM. (FR
Ch Boursin
Alexanor 5(3):137-144
21 Sep 1967 421 AL2
Insect taxonomy, Noctuidae, Zoogeography. Continuation and will be continued.

17-69
NOTES ON THE CLASSIFICATION OF THE IBERIAN FAMILIES OF PARNASSIUS APOLLO (PAPILIONIDAE). (FR)
P Capdeville
Alexanor 5(4):167-172 MAP
27 Dec 1967 421 AL2
Insect taxonomy, Papilionidae, Parnassius apollo. Four species of Parnassius apollo are discussed.

18-69
DESCRIPTIONS OF NEW AND LITTLE KNOWN SPECIES OF MALLOPHAGA (INSECTA) FROM MARITIME HOSTS OF CHILE, SOUTH AMERICA.
M A Carriker
Chile Univ Centro Estud Entomol Publ (6):1-26
1964 420 C432
Birds, Insect identification, Insect taxonomy, Mallophaga, Parasitic insects.

19-69
BIBLIOGRAPHY ON THE SYSTEMATICS OF ENTOMOPHAGUS INSECTS VI. (FR)
Entomophaga 8(4):323-334 REF
1963 421 EN835
Bibliography, Insect taxonomy, Predaceous insects.

20-69
NOTES ON THE FAUNA OF THE ARMORICAINE MOUNTAINS. (FR)
J Cherel
Alexanor 5(4):173-178
27 Dec 1967 421 AL2
Noctuidae, Zoogeography. This is the concluding article. listing of over 100 species.

21-69
NOTES ON THE FAUNA OF THE ARMORICAINE MOUNTAINS. (FR)
J Cherel
Alexanor 5(3):121-128
21 Sep 1967 421 AL2
Lepidoptera, Zoogeography. Continuation and to be continued. listing of over 100 species.

22-69
SIALIS NIGRIPES PICTET,RAPHIDIA (AGULLA) ALOYSIANA COSTA AND INOCELLIA KEISERI ASPOECK, NEW FOR SWITZERLAND. (NEUROPTERA S.L.). (GE)
W Eglin-dedering
Schweiz Entomol Ges Mitt 39(3/4):205-206
15 Apr 1967 420 SW6
Inocellia keiseri, Insect taxonomy, Raphidia aloysiana, Sialis nigripes, Zoogeography.

23-69
PRELIMINARY REPORT ON THE DISTRIBUTION IN SWITZERLAND OF BOREUS HIEMALIS L. AND BOREUS WESTWOODI HAG (MECOPTERA, BOREIDAE). (GE)
W Eglin-dedering
Schweiz Entomol Ges Mitt 39(3/4):207-208
15 Apr 1967 420 SW6
Boreidae, Boreus hiemalis, Boreus westwoodi, Insects, Zoogeography.

24-69
ORIGINAL DESCRIPTIONS, SYNONYMS AND GEOGRAPHICAL DISTRIBUTION OF THE SPECIES OF THE SYRPHIDAE (DIPTERA) FAMILY IN CHILE. (SP)
M Etcheverry
Chile Univ Centro Estud Entomol Publ (5):141P REF
1963 420 C432
Diptera, Insect biology, Insect taxonomy, Nomenclature, Syrphidae, Zoogeography. Introduction in English. catalogue and bibliography in many languages.

25-69
FURTHUR DESCRIPTIONS OF HALICTOPHAGBUS PONTIFEX FOX AND H. REGINA FOX (STREPSIPTERA: HALICTOPHAGIDAE) FROM UGANDA.
D J Greathead
Roy Entomol Soc London Proc Ser B Taxonom (SER B)37(PT 7-8):91-97
04 Oct 1968 420 L84PB
Halictophagus, Insect identification, Strepsiptera, Zoogeography.

26-69
SUPPLEMENTARY NOTES ON THE ORBITALIS (WESTW.) GROUP OF ANTESTIOPSIS (HEMIPTERA, PENTATOMIDAE).

D J Greathead
Bull Entomol Res 58(PT 2):227-232 MAP
Nov 1968 421 B87
Antestiopsis, Hemiptera, Taxonomy.

27-69
THE POSITION OF POLISTES (LEPTOPOLISTES) BISCHOFFI WEYRAUCH (HYMENOPTERA: VESPIDAE). (IT)
D Guiglia
Schweiz Entomol Ges Mitt 39(3/4):199-206
15 Apr 1967 420 SW6
Insect identification, Insect taxonomy, Polistes bischoffi, Vespidae.

28-69
AFRICAN TERMITES OF THE GENUS SCHEDORHINOTERMES (ISOPTERA: RHINOTERMITIDAE) AND ASSOCIATED TERMITOPHILES (LEPIDOPTERA TINEIDAE).
W V Harris
Roy Entomol Soc London Proc Ser B Taxonom (SER B)37(PT 7-8):103-113 MAP REF
04 Oct 1968 420 L84PB
Paraclystis, Schedorhinotermes, Taxonomy, Termites, Tineidae, Zoogeography.

29-69
INSECT HUNT BY ARTIFICIAL LIGHT IN THE REGION OF CHARLEROI IN 1966. (FR)
J Hecq
Lambillionea 66(3/4):25-28
20 Apr 1967 420 N15
Lepidoptera, Light traps. Light trap collecting, recorded on a monthly basis.

30-69
TACHINIDAE CATCH IN THE SWISS JURA, USING TENT TRAPS. (GE)
B Herting
Schweiz Entomol Ges Mitt 39(3/4):191-198
15 Apr 1967 420 SW6
Insect taxonomy, Insect traps, Tachinidae, Weather. Listing of many species.

31-69
THE SUBGENERA OF AUSTROLIMNIUS (COLEOPTERA: ELMINTHIDAE).
H E Hinton
Roy Entomol Soc London Proc Ser B Taxonom (SER B)37(PT 7-8):98-102
04 Oct 1968 420 L84PB
Austrolimnius, Elmidae, Taxonomy. Includes: Ballelmis, Helonelmis, Tiphonelmis, Austrolimnius, Helonastes, Helonoma, Pelonaetes, Tiphonaetes, Neosolus, Limnelmis, Telmatelmis.

32-69
FOUR NEW SPECIES AND A NEW GENUS OF COCCIDAE (HOMOPTERA: COCCOIDEA) FROM AFRICA.
C J Hodgson
Roy Entomol Soc London Proc Ser B Taxonom (SER B)37(PT 7-8):114-120
04 Oct 1968 420 L84PB
Coccidae, Coccus, Homoptera, Taxonomy, Umwinsia cavernosa, Zoogeography.

33-69
A DEVIANT FORM OF AGLAIS URTICAE. (NYMPHALIDAE). (FR)
R Hugot
Alexanor 5(3):132
21 Sep 1967 421 AL2
Aglais urticae, Insect taxonomy, Nymphalidae.

34-69
A NEW SUB-SPECIES OF CYNANDRA OPIS DRURY. (FR)
M Lagnel
Lambillionea 66(3/4):23-25
20 Apr 1967 420 N15
Africa, Cynandra opis bernardii, Insect taxonomy, Nymphalidae.

35-69
NEW SPECIES FOR THE BELGIAN FAUNA. (FR)
A Legrain
Lambillionea 66(3/4):17-18
20 Apr 1967 420 N15
Insect taxonomy, Noctuidae, Schrankia humidalis.

36-69
APAMEA PABULATRICULA BRAHM IN BELGIUM. (NOCTUIDAE). (FR)
A Legrain
Alexanor 5(3):118-120
21 Sep 1967 421 AL2
Apamea pabulatricula, Insect taxonomy, Noctuidae, Zoogeography. Listing of all specimens caught in Belgium.

37-69
HUNTING AT NIGHT AT LOSHEIMER-GRABEN. (FR)
A Legrain
Lambillionea 66(5/6):39-42
25 Apr 1967 420 N15
Insect collection, Insect taxonomy, Lepidoptera, Zoogeography. Listing of the more interesting specimens which were caught.

38-69
A GOOD REGION: BARVAUX S/OURTHE. (FR)
A Legrain
Lambillioneo 66(11/12):82-87
25 Dec 1967 420 N15
Insect collection, Lepidoptera. Author lists the rarer specimens of many families caught on a collecting trip.

39-69
NEW SPECIES FOR THE BELGIAN FAUNA. (FR)
A Legrain
Lambillionea 66(5/6):33-34
25 Apr 1967 420 N15
Lepidoptera, Sterra ochrata, Zoogeography.

40-69
BIOLOGICAL OBSERVATIONS ON RHABDOPHAGA RAMICOLA RUBS. (FR)
E Loux
Marcellia 34(2):93-102
Jun 1967 421 M33
Cecidomyiidae, Diptera, Insect biology, Insect rearing, Insect taxonomy, Rhabdophaga ramicola, Salix.

41-69
MARKING INSECTS WITH DIETARY MANGANESE FOR DETECTION BY NEUTRON ACTIVATION.
J Monro
Ecology 49(4,SUMMER):774-776
1968 410 EC7
Ceratitis capitata, Diet, Gamma rays, Insect rearing, Manganese chloride, Micronutrients, Neutrons.

42-69
TRICHOGRAMMIDAE--THE SMALLEST WINGED INSECTS. (IT)
S Novitzky
Accod Naz Itol Entomol Atti 10:133-137
1962 420 AC2
Beneficial insects, Chalcidoidea, Insect taxonomy, Polymorphism, Trichogrammatidae. English summary.

43-69
THE DIPTERA DESCRIBED BY W. J. RAINBOW FROM FUNAFUTI ATOLL, ELLICE ISLANDS.
A C Pont
Roy Entomol Soc London Proc Ser B Taxonom (SER B)37(PT 7-8):89-90
04 Oct 1968 420 L84PB
Diptera, Insect identification, Taxonomy, Zoogeography.

44-69
A NEW JAPANESE SPECIES OF ATHERIGONA ROND. (DIPTERA: MUSCIDAE) REARED FROM SUGAR-CANE.
A C Pont
Bull Entomol Res 58(PT 2):201-204
Nov 1968 421 B87
Atherigona, Diptera, Insect rearing, Muscidae, Sugarcane, Taxonomy, Zoogeography.

45-69
THE NOMENCLATURE PROBLEM OF TRICHOGRAMMA SPECIES. (GE)
W Quednau
Entomophaga 6(2):155-161
1961 421 EN835
Nomenclature, Taxonomy, Trichogrammatidae. English summary

46-69
A MASSIVE INVASION OF STILPNOTIA SALICIS. (LYMANTRIIDAE). (FR
L-H Ricorday
Alexanor 5(3):136
21 Sep 1967 421 AL2
Bears, Insect behavior, Insect outbreaks, Lymantriidae, Plant hosts, Populus, Stilpnotia salicis.

47-69
ICONOGRAPHY OF THE EGGS OF THE LEPIDOPTERA FAUNA OF BELGIUM. (FR)
L G Sarlet
Lambillionea 66(3/4):28-32 (CONT.)
20 Apr 1967 420 N15
Insect eggs, Lepidoptera, Papilionidae.

48-69
A NEW SPECIES OF GALL GNAT MAMAEVIA N.G.N.SP. (DIPTERA, ITONIDIDAE) FROM BOHEMIA. (GE)
M Skuhrava
Marcellia 34(2):103-107
Jun 1967 421 M33
Cecidomyiidae, Gall-making insects, Insect taxonomy, Mamaevia vysineki.

49-69
NEW SPECIES OF PALEARCTIC TORYMIDAE (HYM. TORYMIDAE). (FR)
J R Steffan
Entomophaga 7(2):181-188
1962 421 EN835
Gall-making insects, Glyphomerus signifer, Monodontomerus gladiatus, Palearctic Region, Pseudotorymus amethystinus, Torymidae, Torymus favardi, Zoogeography. English summary.

50-69
THE BIOLOGY AND ECOLOGY OF THE RHYPAROCHROMINAE OF NEW ENGLAND (HETEROPTERA: LYGAEIDAE). I.
M H Sweet
Entomol Amer (N s)43:1-124
1963 420 B792
Insect biology, Insect ecology, Insect taxonomy, Lygaeidae, Rhyparochrominae, Zoogeography. Article to be continued.

51-69
NOTES ON SOME APHIDS FROM VIETNAM, WITH DESCRIPTION OF A NEW SPECIES (HOMOPTERA, APHIDODEA).
H Szelegiewicz
Pol Akad Nauk Inst Zool Ann Zool 25(12):459-471
1968 410.9 W26
Aphididae, Homoptera, Insect identification, Insect taxonomy.

52-69
AN INTERESTING SPECIMEN: CELAMA CENTONALIS F. LITTORALIS PAUX. (ARCTIIDAE NOLINAE). (FR)
H de Toulgoet
Alexanor 5(3):114-116
21 Sep 1967 421 AL2
Arctiidae, Celama centonalis littoralis, Insect taxonomy.

53-69
ON THE GENUS DEJANIRA THOMSON (COL. CERAMBYCIDAE CERAMBYCINAE). (FR)
A Villiers
Soc Entomol Fronce Ann 11(2):355-359

1966 420 F84
Cerambycidae, Dejanira, Insect taxonomy, Zoogeography.
Abstract

54-69
NOTES ON PLEBEIUS ARGYROGNOMON BGSTR. (LEPIDOPTERA, LYCAENIDAE). (FR)
J M. Warlet
Lambillionea 66(11/12):93-95
25 Dec 1967 420 N15
Insect names, Insect taxonomy, Lycaenidae, Nomenclature, Plebejus argyrognomon.

PHYSIOLOGY AND BIOCHEMISTRY

55-69
SEX ATTRACTANT OF SUGAR BEET WIREWORK: IDENTIFICATION AND BIOLOGICAL ACTIVITY.
Plant Protect Abs 4:201
Sep 1968 241.75 P69
Elateridae, Insect behavior, Sex attractants, Sugar beets, Valeric acid. Science, vol. 159, Jan. 12, 1968, p.208-209.

56-69
CONTROLLING THE MEXICAN BEAN BEETLE.
U S D A Leafl (548):8P
Dec 1968 1 AG84L
Accident prevention, Carbaryl, Chemical control (insects), Diazinon, Dimethoate, Epilachna varivestis, Insect morphology, Insect pests, Insecticide application, Insecticides, Integrated control (insects), Malathion, Methoxychlor, Spraying.

57-69
FOREST INSECTS. (GE)
G Amann
284P REF MELSUNGEN, VERLAG J. NEUMANN-NEUDAMM
1965 SB761.A4 1965
Coleoptera, Forest insects, Hymenoptera, Insect identification, Lepidoptera. Listing and description of many insects.

58-69
THE BIOCHEMISTRY AND MODE OF ACTION OF BACILLUS THURENGIENSIS BERLINER AND ITS VARIETIES.
T A Angus
Entomophaga Mem Hors Ser (2):165-173 REF
1964 421 EN835M
Bacillus thuringiensis, Biochemistry, Biological control (insects), Insect diseases, Toxins. French summary.

59-69
THE MEASUREMENT AND INTERRELATIONSHIPS OF INFECTIONS WITH NOSEMA APIS AND MALIPIGHAMOEBA MELLIFICAE OF HONEY-BEE POPULATIONS.
L Bailey
J Invertebrate Pathol 12(2):175-179 REF
Nov 1968 421 J826
Apis mellifera, Insect diseases, Malipighamoeba mellificae, Measurement, Nosema apis, Nosema disease, Population.

60-69
NOTES ON ENTOMOPHTORACEOUS FUNGI IN POLAND.
A Batka
Entomophaga Mem Hors Ser (2):129-131 REF
1964 421 EN835M
Entomogenous fungi, Entomophthoraceae, Insect diseases. French summary

61-69
NEUROSECRETION IN DOLICHOPODA GENICULATA COSTA: OBSERVATIONS ON PARS INTERCEREBRALIS AND ON THE RETROCEREBRAL ENDOCRINE SYSTEM. (IT)
P Battaglini
Accad Naz Ital Entomol Atti 10:105-112 REF
1962 420 AC2
Dolichopoda geniculata, Endocrine glands, Glands (insects), Insect morphology, Nervous system, Secretion. English summary.

62-69
THE PRESENT STATUS OF MILKY DISEASE OF JAPANESE BEETLE IN CONNECTICUT.
R L Beard
Entomophaga Mem Hors Ser (2):47-49
1964 421 EN835M
Bacillus popilliae, Insect behavior, Insect diseases, Insect genetics, Milky disease, Popillia japonica. French summary.

63-69
CYTOLOGY OF MILKY DISEASE BACTERIA. II. MORPHOGENESIS OF BACILLUS POPILLIAE IN VITRO.
S H Black
J Invertebrate Pathol 12(2):158-167 REF
Nov 1968 421 J826
Bacillus popilliae, Bacteria, Culture media, Cytology, Insect diseases, Milky disease, Research.

64-69
CYTOLOGY OF MILKY DISEASE BACTERIA. I. MORPHOGENESIS OF BACILLUS POPILLIAE IN VIVO.
S H Black
J Invertebrate Pathol 12(2):148-157 REF
Nov 1968 421 J826
Bacillus popilliae, Bacteria, Culture media, Cytology, Insect diseases, Larvae, Milky disease, Morphology, Popillia japonica.

65-69
VITAMIN A DEFICIENCY: EFFECT ON MOSQUITO EYE ULTRASTRUCTURE.
J D Brammer R H White
Science 163(3869):821-823
21 Feb 1969 470 SCI2
Aedes aegypti, Cells, Deficiency diseases, Diet, Experimental insects, Eyes, Insect anatomy, Vitamin a.

66-69
THE FATE OF IMMATURE HOUSEFLY POPULATIONS AT LOW AND HIGH DENSITIES.
E H Bryant R R Sokal
Res Population Ecol 9(1):19-44
Jun 1967 420 K99
Eggs, Experimental insects, Insect physiology, Larvae, Musca domestica, Population, Pupae. Japanese summary.

67-69
THE METHODS OF TITRATION AND THE STANDARDIZATION OF BACILLUS THURINGIENSIS BERLINER PREPARATIONS. (FR)
A Burgerjon
Entomophaga Mem Hors Ser (2):255-262 REF
1964 421 EN835M
Bacillus thuringiensis, Dosage, Insecticides, Methodology, Mortality, Toxins. English summary.

68-69
STUDY OF THE SOLUBLE HEAT-STABLE TOXIN IN VARIOUS STRAINS OF BACILLUS THURINGIENSIS BERLINER. (FR)
A Burgerjon H de Barjac
Entomophaga Mem Hors Ser (2):221-226
1964 421 EN835M
Bacillus thuringiensis, Biochemistry, Biological assay, Heat, Insects, Mortality, Serological tests, Toxins. English summary. 25 strains of Bacillus thurgiensis are studied.

69-69
THE EXCRETION OF NITROGEN IN INSECTS.
E Bursell
Advances Insect Physiol 4:33-67 REF
1967 420 AD9
Amino acids, Ammonia, Insect physiology, Nitrogen, Urea.

70-69
IMAGE FORMATION AND SENSORY TRANSMISSION IN THE COMPOUND EYE.
E T Burtt W T Catton
Advances Insect Physiol 3:1-52 REF
1966 420 AD9
Arthropoda, Compound eye, Eyes, Insect physiology, Vision.

71-69
BIOLOGICAL NOTES ON EYE-FREQUENTING MOTHS FROM NORTH THAILAND.
W Buttiker
Schweiz Entomol Ges Mitt 39(3/4):151-179 MAP REF
15 Apr 1967 420 SW6
Geometridae, Insect behavior, Insect biology, Insect ecology, Insect taxonomy, Lycaenidae, Noctuidae, Parasitism, Pyralidae, Zoogeography.

72-69
SOME EXPERIENCES WITH THE USE OF BACILLUS THURINGIENSIS BERL. AGAINST FOREST PESTS. (GE)
M Capek A Heskova
Entomophaga Mem Hors Ser (2):337-339
1964 421 EN835M
Bacillus thuringiensis, Biological control (pests), Choristoneura murinana, DDT, Dosage, Forest insects, Porthetria dispar, Tree diseases. English summary.

73-69
AMINO ACID AND PROTEIN METABOLISM IN INSECT DEVELOPMENT.
P S Chen
Advances Insect Physiol 3:53-132 REF
1966 420 AD9
Amino acids, Insect genetics, Insect metabolism, Insect morphology, Insect physiology, Proteins.

74-69
INTERNATIONAL COLLOQUIUM ON INSECT PATHOLOGY AND MICROBIOLOGICAL CONTROL. (FR)
Entomophaga Mem Hors Ser (2):566P
1964 421 EN835M
Biological control (insects), Conferences, Insect diseases.

75-69
FEEDING BEHAVIOR AND NUTRITION IN GRASSHOPPERS AND LOCUSTS.
R H Dadd
Advances Insect Physiol 1:47-109 REF
1963 420 AD9
Acrididae, Feeding, Food, Grasshoppers, Insect behavior, Insect nutrition, Insect physiology, Nutrition.

76-69
SPECIES DIFFERENCES IN SCARAB-PASTURE RELATIONSHIPS.
R L Davidson R J Roberts
Bull Entomol Res 58(PT 2):315-324
Nov 1968 421 B87
Insect behavior, Insect identification, Scarabaeidae, Taxonomy.

77-69
A STUDY PROTEOLYTIC ENZYMES CONTAINED IN THE CHYLE OF PIERIS BRASSICAE AND OF SUBSTANCES ACTIVE ON THE CRYSTAL OF BACILLUS THURINGIENSIS. (FR)
R Debonder M Lecadent
Entomophaga Mem Hors Ser (2):197-203
1964 421 EN835M
Bacillus thuringiensis, Biochemistry, Chyle, Enzymes, Pieris brassicae, Proteins, Toxins. English summary.

78-69
CONTROLLING SOIL INSECTS WITH PARATHION-PENTACHLOROPHENOL COMPOSITIONS. PATENT 3,408,442.
J M Deming
Us Patent Office Offic Gaz 855(5):1379
29 Oct 1968 156.65 OF2
Chemical control (insects), Insect control, Parathion, Patents, Pentachlorophenol, Soil microorganisms, Soils.

79-69
RESIDUAL EFFECT OF A NUMBER OF INSECTICIDES ON ADULTS OF THE CARABID PSEUDOPHONUS RUFIPES (DEJ.).
J. B. M. van Dinther
Entomophaga 8(1):43-48
1963 421 EN835
Carabidae, Carbaryl, Dieldrin, DDT, Harpalus rufipes, Insecticides, Parathion, Residues, Toxaphene. French summary

80-69
CONTRIBUTIONS TO THE KNOWLEDGE OF POLISH SPECIES OF THE GENUS DORATURA J. SHLB. (HOMOPTERA, CICADELLIDAE). (POL)
I Dworakowska
Pol Akad Nauk Inst Zool Ann Zool 25(7):381-401
1968 410.9 W26
Doratura, Insect anatomy, Insect identification, Insect physiology. Russian and English summary

81-69
LONG OR TACTILE SETAE AND THE MICROSCOPIC OR PROPRIOCEPTOR SETAE IN AN HYPOTHETICAL SEGMENT OF LEPIDOPTERA. (SP)
M Etcheverry
Chile Univ Centro Estud Entomol Publ (6):27-32
1964 420 C432
Hair, Insect anatomy, Lepidoptera. English summary.

82-69
THE BIOLOGY OF ORGYIA ANTIQUA (LINNAEUS). (LEPIDOPTERA). (SP
M Etcheverry M T Ramirez
Chile Univ Centro Estud Entomol Publ (6):59-66 REF
1964 420 C432
Insect biology, Insect rearing, Orgyia antiqua. English summary.

83-69
THE DEFENSE MECHANISM OF THE CUTICLE OF THE SUNN PEST (EURYGASTER INTEGRICEPS PUT.) AGAINST PLANT MICROORGANISMS. (FR)
A A Evlakhova T A Checkhourina
Entomophaga Mem Hors Ser (2):137-141
1964 421 EN835M
Beauveria bassiana, Cuticle, Eurygaster integriceps, Fungicides, Lipids. English summary.

84-69
THE OLIVE FLY, DACUS OLEAE GMEL. AND ITS PARASITES IN CORSICA, IN 1959 AND 1960. (FR)
M Feron R Benard S Poitut
Entomophaga 6(3):173-183 REF
1961 421 EN835
Dacus oleae, Insect behavior, Olives, Parasitism, Time. English summary

85-69
PALEARCTIC ENCYRTIDS PARASITES OF PSYLLIDS. (FR)
C Ferriere
Entomophaga 6(1):39-51 REF
1961 421 EN835
Encyrtidae, Insect behavior, Parasitism, Psyllidae. English summary

86-69
PRELIMINARY LABORATORY STUDY ON THE EFFECTS OF X RAYS ON THE FERTILITY OF THE APPLE MOTH (LASPEYRESIA POMONELLA L.). (FR)
A Fossati J Stahl M Baggiolini A Murbach
Switzerland Stat Essais Agr Lausanne Publ 60(3/4):263-269 REF
1968 105.5 SW63
Carpocapsa pomonella, Experimental insects, Fertility, Irradiation, Mutation, Pupae, X-rays. Reprint from Communications of the Swiss Entomological Society, Lausanne, Switzerland.

87-69
BIBLIOGRAPHY OF BIOLOGICAL CONTROL, V. (GE)
J M Franz
Entomophaga 5(4):295-335 REF
1960 421 EN835
Bibliography, Biological control (insects), Entomology. French and English summaries

88-69
BIBLIOGRAPHY OF BIOLOGICAL CONTROL, VI. (GE)
J M Franz
Entomophaga 6(4):277-329
1961 421 EN835
Bibliography, Biological control (insects), Entomology. French and English summaries

89-69
EFFECT OF THE TIME OF DAY AT WHICH HONEYBEE COLONIES ARE FIRST ALLOWED FLIGHT IN A NEW LOCATION ON THEIR CHOICE OF FLOWER SPECIES.
J B Free P M Nuttall
Plant Protect Abs 4:208-209
Sep 1968 241.75 P69
Apis mellifera, Environment, Flowers, Insect behavior, Insect flight, Social insects, Time. Nature, vol. 218, June 8, 1968, p.982.

90-69
MULTIPLE PARASITISM IN DIPAROPSIS WATERSI ROTHS. (LEP. AGROTIDAE). (FR)
P F Galichet
Entomophaga 6(3):203-205
1961 421 EN835
Diparopsis watersi, Insect behavior, Lepidoptera, Parasitism. English summary

91-69
ENVIRONMENTAL HUMIDITY AND THE SUSCEPTIBILITY OF LARVAE OF ANAGASTA KUHNIELLA ZELL. TO BACILLUS THURINGIENSIS BERLINER.
N H E Gibson J Wolf
Entomophaga Mem Hors Ser (2):329-336 REF
1964 421 EN835M
Anagasta kuehniella, Bacillus thuringiensis, Biological control (insects), Environment, Humidity, Larvae, Mortality, Spores. French summary.

92-69
LIPID METABOLISM AND FUNCTION IN INSECTS.
L I Gilbert
Advances Insect Physiol 4:69-211 REF
1967 420 AD9
Biosynthesis, Hydrocarbons, Insect metabolism, Insect physiology, Isoprenoids, Lipids, Waxes.

93-69
BUTTERFLIES, COLLECTING AND REARING. (GE)
R Gleichauf
154P REF STUTTGART, VERLAG EUGEN ULMER
1968 QL555.G3G4
Insect biology, Insect collecting equipment, Insect collection, Insect morphology, Insect names, Insect rearing, Insect rearing equipment, Lepidoptera.

94-69
LOOK WHAT'S HAPPENING TO INSECT CONTROL.
M C Goldman
Org Gard Farming 15(9):56-60
Sep 1968 57.8 OR32
Air pollution, Balance of nature, Biological control (insects), Chemosterilants, Environment, Insect diseases, Insect pests, Poisoning, Predaceous insects, Research.

95-69
THE TOXICITY OF INSECTICIDES TO LARVAE OF THE CODLING MOTH, CYDIA POMONELLA (L.). I. INTRINSIC TOXICITY AND PERSISTENCE. (ABSTRACT).
M Gratwick J M Sillibourne R P Tew
Pesticide Progr 5(3):72-73
May 1967 79.8 P434
Apples, Assay, Chemical control (insects), Cydia pomonella, Ddt, Insecticide application, Insecticide residues, Larvae, Moths, Toxicology. Abstract taken from Bull. Entom. Res. 56(2):367-376

96-69
THE PROTECTION OF DRIED SEA-FISH FROM INFESTATION BY DERMESTES FRISCHII KUG.
A A Green
Pyrethrum Post 9(2):24-33
Oct 1967 421 P99
Chemical control (insects), Dermestes frischii, Dried food, Fish, Food storage, Human nutrition, Insect control, Insecticide application, Insecticide residues, Malathion.

97-69
MELANIN IN AN INSECT, LUCILIA CUPRINA (WIED.).
R H Hackman
Nature 216(5111):163
14 Oct 1967 472 N21
Insect physiology, Lucilia cuprina, Melanins, Mutation, Proteins, Pupae.

98-69
METABOLIC CONTROL MECHANISMS IN INSECTS.
W R Harvey J A Haskell
Advances Insect Physiol 3:133-205 REF
1966 420 AD9
Biochemistry, Chromosomes, Enzymes, Insect metabolism, Insect physiology, Insect respiration, Mitochondria, Proteins.

99-69
GENERAL ASPECTS OF BACTERIOLOGICAL CONTROL.
A M Heimpel
Entomophaga Mem Hors Ser (2):23-33 REF
1964 421 EN835M
Biological control (pests), Entomogenous bacteria, Insect pests. French summary.

100-69
TESTS ON STANDARDIZATION OF BACILLUS THURINGIENSIS PREPARATIONS. (GE)
W Herfs A Krieg
Entomophaga Mem Hors Ser (2):263-265
1964 421 EN835M
Bacillus thuringiensis, Biological assay, Dosage, Larvae, Mortality, Pieris rapae, Porthetria dispar, Sodium arsenate. English summary.

101-69
THE BIOLOGY OF THANATOPSYCHE CHILENSIS (PHILIPPI). (LEPIDOPTERA). (SP)
J Herrera J Carrasco
Chile Univ Centro Estud Entomol Publ (6):33-43
1964 420 C432
Fruit, Insect biology, Insect rearing, Shade trees, Thanatopsyche chilensis. English summary.

102-69
SYNTHESIS OF RUBROSTERONE, A METABOLITE OF INSECT-MOULTING SUBSTANCES FROM ACHYRANTHES RUBROFUSCA.
H Hikino Y Hikino T Takemoto
Tetrahedron Lett (40):4255-4256
Aug 1968 385 T29
Achyranthes, Biochemistry, Molting (insects), Rubrosterone, Synthesis.

103-69
A NEW GENUS AND FOUR NEW SPECIES OF APHIDS (HOMOPTERA, APHIDIDAE) FROM POLAND.
S Huculak
Pol Akad Nauk Inst Zool Ann Zool 25(10):425-451
15 Mar 1968 410.9 W26
Aphis berlinskii, Aphis tacita, Insect taxonomy, Neobacillaphis szelegiewiczi, Schizaphis dubia.

104-69
DEVELOPMENTAL CYCLE AND PATHOLOGY OF A MICROSPORIDOSIS BROUGHT ABOUT BY NOSEMA MELOLONTHAE (KRIEG) COMB. NOV. IN GRUBS OF MELOLONTHA MELOLONTHA (L.) (COL. MELOLONTHIDAE). (GE)
A Huger
Entomophaga Mem Hors Ser (2):83-90
1964 421 EN835M
Grubs, Insect diseases, Melolontha melolontha, Nosema melolonthae. English summary.

105-69
SOME REMARKS ON THE HYDROPHILIA DISEASE OF THE LARVAE OF MELOLONTHA MELOLONTHA C.(COL. SCARABAEIDAE). (FR)
B Hurpin C Vago
Entomophaga 6(3):192-196
1961 421 EN835
Coleoptera, Insect diseases, Larvae, Melolontha melolontha, Rickettsiella, Scarabacidac. German summary

106-69
EFFECTS OF TEMPERATURE AND WATER ON VIABILITY AND VIRULENCE FO BACILLUS THURINGIENSIS VAR. THURINGIENSIS BERLINER SPORES.
C M Ignoffo
Entomophaga Mem Hors Ser (2):293-298
1964 421 EN835M
Bacillus thuringiensis, Hydrogen-ion concentration, Pectinophora gossypiella, Spores, Temperature, Water. French summary.

107-69
A METHOD FOR COUNTING BACTERIAL CELLS IN THE MIDGUT OF THE SILKWORM LARVAE, BOMBYX MORI L. (JA)
T Iizuka Y Takizawa
J Sericult Sci Jap 37(4):333-336
Aug 1968 425.9 SE6
Bacteria, Bombyx mori, Cells, Larvae, Methodology, Microscopy, Stomach. English summary.

108-69
THE ROLE OF THE INTESTINAL MICROFLORA OF INSECTS IN THE DISEASE DEVELOPMENT BROUGHT ABOUT BY BAC. CEREUS VAR. GALLERIAE. (FR)
N P Isakova
Entomophaga Mem Hors Ser (2):175-178
1964 421 EN835M
Bacillus cereus, Bacteria, Biological control (insects), Dosage, Galleria mellonella, Insect diseases, Pieris brassicae. English summary.

109-69
THE PRODUCTIVITY OF GLOSSINA AUSTENI NEWST. MAINTAINED ON COP-EARED RABBITS.
A M Jordan C F Curtis
Bull Entomol Res 58(PT 2):399-410 REF
Nov 1968 421 B87
Glossina austeni, Insect physiology, Insect rearing, Rabbits.

110-69
THE BIOCHEMISTRY OF THE INSECT FAT BODY.
B A Kilby
Advances Insect Physiol 1:111-174 REF
1963 420 AD9
Amino acids, Biochemistry, Carbohydrates, Fat body, Insect physiology, Metabolism, Pigments (insect), Proteins, Pteridine, Purines.

111-69
THE FATE OF SPORES OF NOSEMA APIS ZANDER INGESTED BY MUSCOID FLIES.
J P Kramer
Entomophaga Mem Hors Ser (2):95-99
1964 421 EN835M
Apis mellifera, Calliphora vicina, Insect diseases, Musca domestica, Nosema apis, Phormia regina. French summary.

112-69
SIDE EFFECTS OF BACILLUS THURINGIENSIS. THE EFFECTS ON BEES (APIS MELLIFERA L.). (GE)
A Krieg W Herfs
Entomophaga Mem Hors Ser (2):193-195
1964 421 EN835M
Apis mellifera, Bacillus thuringiensis, Dosage, Insect diseases, Mortality. English summary.

113-69
THE EFFECT OF FEEDING THE TSETSE FLY GLOSSINA MORSITANS WESTW. ON IMPALA BLOOD.
P A Langley
Bull Entomol Res 58(PT 2):295-298
Nov 1968 421 B87
Antelopes, Blood, Feeding, Glossina morsitans.

114-69
COMPARATIVE STUDY OF THE ENZYMATIC HYDROLYSIS OF THE CRYSTALS OF THE STRAINS OF BACILLUS THURINGIENSIS SEROTYPE I BERLINER AND SEROTYPE II ANDUZE. (FE)
M Lecadet D Martouret
Entomophaga Mem Hors Ser (2):205-212
1964 421 EN835M
Bacillus thuringiensis, Chyle, Enzymes, Pieris brassicae, Toxicity. English summary.

115-69
THE CONTROL OF POLYMORPHISM IN APHIDS.
A D Lees
Advances Insect Physiol 3:207-277 REF
1966 420 AD9
Aphididae, Insect physiology, Nomenclature, Polymorphism, Wings (insects).

116-69
LARVAL MOVEMENT OF LASIODERMA SERRICORNE (F.) (COLEOPTERAI ANOBIIDAE) IN A PLANE.
L P Lefkovitch
Res Population Ecol 9(1):45-52
Jun 1967 420 K99
Insect migration, Insect physiology, Larvae, Lasioderma serricorne, Population. Japanese summary.

117-69
FLY ENEMIES...YOUR ALLIES.
E F Legner G S Olton
World Farming 10(10):17,25
Oct 1968 30.08 W89
Biological control (insects), Breeding, Diptera, Food, Insect control, Insecticide residues, Parasitism, Predaceous insects.

118-69
COMPLEMENT TO THE STUDY OF THE LARVAL BIOLOGY OF SYMMITICUS COSTATUS LOEW (DIPTERA NEMESTRINIDAE), A GRASSHOPPER PARASITE, AND GENERAL CONSIDERATIONS ON THE BIOLOGY OF NEMESTRINIDAE. (FR)
J-c Leonide
Entomophaga 8(1):7-33 REF
1963 421 EN835
Diptera, Grasshoppers, Host-parasite relations, Insect biology, Larvae, Nemestrinidae, Parasitic insects, Symmiticus costatus, Tables (data). English summary.

119-69
HYBRIDS OF NEPHOTETTIX IMPICTICEPS ISH. AND N. APICALIS (MOTSCH.) AND THEIR ABILITY TO TRANSMIT THE TUNGRO VIRUS TO RICE.
K C Ling
Bull Entomol Res 58(PT 2):393-398 REF
Nov 1968 421 B87
Insect vectors, Nephotettix apicalis, Nephotettix impicticeps, Rice, Tungro.

120-69
A NEW NOSEMA SP. OF EUPROCTIS CHRYSORRHOEA L.
J J Lipa
Entomophaga Mem Hors Ser (2):77-81
1964 421 EN835M
Diagnosis, Infectious diseases, Insect diseases, Nosema, Nygmia phaeorrhoea. French summary.

121-69
THE OCCURRENCE OF A CRITHIDIA SPECIES WITHIN THE GUT OF THE HONEY BEE, APIS MELLIFICA L.
J Lom
Entomophaga Mem Hors Ser (2):91-92
1964 421 EN835M
Apis mellifera, Insect diseases, Nosema apis, Nosema disease. French summary.

122-69
NEW FACTS CONCERNING THE EXTRUSION OF MICROSPORIDIAN SPORES.
J Lom J Vavra
Entomophaga Mem Hors Ser (2):101-103
1964 421 EN835M
Biological control (pests), Electron microscopy, Insect diseases, Microsporidia, Spores. French summary.

123-69
EFFECTS OF TEMPERATURE AND PHOTOPERIOD ON LARVAL DEVELOPMENT IN LESTES EURINUS (ODONATA: LESTIDAE).
P E Lutz
Ecology 49(4,SUMMER):637-644 REF
1968 410 EC7
Insect physiology, Larvae, Lestes eurinus, Light, Odonata, Temperature.

124-69
SOME THOUGHTS ON THE TAXONOMY OF BACILLUS THURINGIENSIS BERLINER.
O Lysenko
Entomophaga Mem Hors Ser (2):239-244
1964 421 EN835M
Bacillus thuringiensis, Insect diseases, Taxonomy. French summary.

125-69
CAN ONE RECONCILE THE CONTROL OF SAN JOSE SCALE (QUADRASPIDIOTUS PERNICIOSUS COMST.) WITH THE FIGHT AGAINST THE CARPOCAPSA (CARPOCAPSA POMONELLA L.) . (FR)
G Mathys
Switzerland Stat Essais Agr Lausanne Publ (781):2P
Feb 1967 105.5 SW63
Aspidiotus perniciosus, Carpocapsa, Chemical control (insects), Dichlorvos, Insecticide application, Larvae, Parathion, Phosphoric acid esters. Extract from Romand Agriculture, ser a, 6(2);24-26, 1967.

126-69
INFESTATION OF EMULSION PAINT BY THE FLY MEGASELIA SCALARIS (LOEW) (DIPT., PHORIDAE).
A W R McCrae
Entomol Mon Mag 102(1229-1231):241-243
Oct 1966 421 EN86
Feeding, Insect adaptation, Megaselia scalaris, Paints, Phoridae.

127-69
MORPHOLOGICAL AND BIOLOGICAL INVESTIGATIONS ON CLONES AND FIELD POPULATIONS OF THE FOXGLOVE-APHID, AULACORTHUM SOLANI KLTB. 1843 SENSU LATIORE (HEMIPT. APHID.). (GE)
W Meier
Schweiz Entomol Ges Mitt 39(3/4):129-150
15 Apr 1967 420 SW6
Aulacorthum solani, Clones, Insect biology, Insect morphology, Plant hosts, Population, Tables (data). English summary.

128-69
THE REGULATION OF BREATHING IN INSECTS.
P L Miller
Advances Insect Physiol 3:279-354 REF

1966 420 AD9
Insect flight, Insect physiology, Respiration, Spiracles, Trachea, Ventilation.

129-69
CONCERNING SOME ASPECTS OF TISSUE NOURISHING GALL MITES. (FR
C Moha
Marcellia 34(2):67-91 REF
Jun 1967 421 M33
Cell division, Cytology, Cytoplasm, Eriophyidae, Gall-making insects, Plant galls, Plant nutrition, Plasmolysis, Tissues.

130-69
THE CHANGE IN VOLTINISM IN BOMBYX MORI L., BY INJECTION OF EITHER ADRENALIN OR INSULIN. (PRELIMINARY NOTE).
S Morohoshi T Ohkuma
J Sericult Sci Jap 37(4):274-280
Aug 1968 425.9 SE6
Biochemistry, Bombyx mori, Epinephrine, Food poisoning, Hormones, Injections, Insect eggs, Insulin, Metabolism. Japanese summary.

131-69
INSECT MYCOLOGY: GLIMPSES AND PERSPECTIVES. (GE)
E Muller-Kogler
Entomophaga Mem Hors Ser (2):111-124 REF
1964 421 EN835M
Biological control (pests), Entomogenous fungi, Fungicides, Insect diseases, Insecticides, Microclimate, Soil moisture, Soil temperature. English summary.

132-69
THE PROPERTIES OF INSECT AXONS.
T Narahashi
Advances Insect Physiol 1:175-256 REF
1963 420 AD9
Insect physiology, Insecticides, Nerves, Properties.

133-69
INTEGUMENTAL PIGMENTS OF THE MILLIPEDE, POLYDESMUS ANGUSTUS (LATZEL).
A E Needham
Nature 217(5132):975-977
09 Mar 1968 472 N21
Absorption spectra, Biochemistry, Color, Insect morphology, Pigments (insect), Polydesmus, Porphyrins, Tissues.

134-69
CHITIN ORIENTATION IN CUTICLE AND ITS CONTROL.
A C Neville
Advances Insect Physiol 4:213-286 REF
1967 420 AD9
Chitin, Cuticle, Insect physiology.

135-69
THE EFFECTIVE BREADTH AND ACTION OF TEMIK. (EXPERIENCES FROM GERMANY). (GE)
H H Nolle A Schneider
Pflanzenschutzberichte 38(3/4):33-45
Jun 1968 464.9 P48
Acaricides, Carbamates, Chemical control (insects), Chemical control (nematodes), Humidity, Humus, Insecticides, Nematocides, Soil series, Soil temperature, Temik. English summary.

136-69
THE USE OF MICRO-ORGANISMS FOR THE CONTROL OF INSECT PESTS.
J R Norris
Chem Indus (46):1941-1945
18 Nov 1967 382 M31C
Bactericides, Beauveria bassiana, Biological control (insects), Bombyx mori, Fungus diseases (insects), Insect diseases, Insecticides, Microbiology, Microorganisms, Pest control, Virus diseases (insects).

137-69
OBSERVATIONS ON THE REPRODUCTION OF HEMITARSONEMUS LATUS (BANKS) (ACARINA TARSONEMIDAE). (IT)
A Nucifora
Accad Naz Ital Entomol Atti 10:142-153 REF
1962 420 AC2
Hemitarsonemus latus, Insect behavior, Mites, Reproduction, Sex behavior. English summary

138-69
ON THE ACCESSORY GLANDS OF THE MALE REPRODUCTIVE APPARATUS OF DOLICHOPODA GENICULATA COSTA (ORTHOPTERA, RAPHIDOPHORIDAE). (IT)
E Onesto
Accad Naz Ital Entomol Atti 10:91-95
1962 420 AC2
Dolichopoda geniculata, Glands (insects), Insect anatomy, Insect histology, Insect morphology, Reproductive organs. French summary.

139-69
EFFECT OF SUPERPARASITISM ON THE DEVELOPMENT, SEX RATIO AND PROGENY OF BRACON GREENI ASHMEAD.
L M Pramanik M K Choudhury
Entomophaga 8(1):83-86
1963 421 EN835
Bracon greeni, Ectoparasites, Eublemma amabilis, Insect biology, Lac, Tables (data). French summary.

140-69
RESISTANCE CAPACITY OF TICKS AGAINST STARVATION UNDER LABORATORY CONDITIONS.
T S Rao
Andhra Agr J 15(1):29-30
1968 34.2 AN4
Buffaloes, Cattle, Hyalomma aegyptium, Rhipicephalus sanguineus, Starvation.

141-69
FROM GRASSHOPPER TO A LOCUST.
Y S Rathore V N Upadhyaya
Allahabad Farmer 42(1):47-50 REF
Jan 1968 22 AL5
Acrididae, Color, Grasshoppers, Insect behavior, Insect pests, Population, Social insects.

142-69
LABORATORY TESTS OF BACILLUS THURINGIENSIS BERLINER PREPARATIONS AGAINST LARVAE OF CARPOCAPSA (LASPEYRESIA POMONELLA L.). (FR)
R Roehrich
Entomophaga Mem Hors Ser (2):309-314
1964 421 EN835M
Bacillus thuringiensis, Biological control (insects), Carpocapsa pomonella, Dosage, Insect nutrition, Larvae, Mortality. English summary.

143-69
THE PRINCIPAL PARASITES OBSERVED ON THE LEAF ROLLER MOTHS OF SPAIN WITH PARTICULAR ATTENTION TO LYMANTRIA DISPAR. L. (SP
N Romanyk A Ruperez
Entomophaga 5(3):229-236 REF
1960 421 EN835
Insect behavior, Parasitism, Porthetria dispar, Tortricidae. French summary

144-69
THE CHITIN/PROTEIN COMPLEXES OF INSECT CUTICLES.
K M Rudall
Advances Insect Physiol 1:257-313 REF
1963 420 AD9
Chitin, Cuticle, Electron microscopes, Insect physiology, Proteins, X-rays.

145-69
PATHOLOGIC COMPLICATIONS DURING THE LARVAL DEVELOPMENT OF LYMANTRIA DESPAR IN THE LABORATORY. (FR)
A Ruperez
Entomophaga Mem Hors Ser (2):37-40
1964 421 EN835M
Antibiotics, Bacterial diseases (insects), Insect diseases, Insect morphology, Larvae, Porthetria dispar. English summary.

146-69
BITING CYCLES AND PARITY OF THE MOSQUITO MANSONIA (MANSONIOIDES) UNIFORMIS (THEO.) IN CEYLON.
W A Samarawickrema
Bull Entomol Res 58(PT 2):299-314 MAP REF
Nov 1968 421 B87
Diurnal rhythm, Insect behavior, Mansonia uniformis, Zoogeography.

147-69
ICONOGRAPHY OF THE EGGS OF THE LEPIDOPTERA FAUNA OF BELGIUM. (FR)
L G Sarlet
Lambillionea 66(5/6):45-48
25 Apr 1967 420 N15
Hesperiidae, Insect eggs, Lepidoptera, Reviews. Continuation from a previous issue and to be continued.

148-69
ICONOGRAPHY OF THE EGGS OF THE LEPIDOPTERA FAUNA OF BELGIUM. (FR)
L G Sarlet
Lambillionea 66(11/12):99-102
25 Dec 1967 420 N15
Insect eggs, Lepidoptera, Reviews. Continuation from a previous issue and to be continued.

149-69
ON ARTHROPOD DEFENSIVE SECRETIONS XXV. ANTHRANILIC ACID AS A PRECURSOR OF GLOMERIN AND HOMOGLOMERIN, ALKALOIDS FROM ARTHROPODS. (GE)
H Schildknecht W F Wenneis
Tetrahedron Lett (19):1815-1818 REF
May 1967 385 T29
Alkaloids, Anthranilic acid, Arthropoda, Biochemistry, Insect behavior, Secretion.

150-69
NOTONECTA BOREALIS BUENO AND HUSSEY (HEM., NOTONECTIDAE): A FLIGHTLESS SPECIES .
G G E Scudder
Entomol Mon Mag 102(1229-1231):258-259 REF
Oct 1966 421 EN86
Environment, Insect adaptation, Insect flight, Insect migration, Notonectidae.

151-69
PRE-GRAVID PHASE OF OVARIAN DEVELOPMENT IN AEDES DETRITUS HALIDAY.
M W Service
Nature 217(5129):681-682
17 Feb 1968 472 N21
Aedes detritus, Blood, Feeding, Insect eggs, Insect morphology, Metamorphosis, Oogenesis, Ovaries, Tables (data).

152-69
OSMOTIC AND IONIC REGULATION IN INSECTS.
J Shaw R H Stobbart
Advances Insect Physiol
1963 420 AD9
Aquatic insects, Insect physiology, Ions, Osmosis.

153-69
A MODEL OF THE PLANT-TO-PLANT MOVEMENT OF APHIDS. I. DESCRIPTION OF THE MODEL.
M Shiyomi
Res Population Ecol 9(1):53-61
Jun 1967 420 K99
Aphididae, Barley, Frequency distribution, Insect behavior, Insect migration, Rhopalosiphum maidis, Statistical analysis, Zoogeography. Japanese summary.

154-69
CONSIDERATIONS ON THE TOXIC AND LABILE SUBSTANCE PRODUCED BY BACILLUS THURINGIENSIS VAR. THURINGIENSIS BERLINER (LABILE EXOTOXIN).
W A Smirnoff
Entomophaga Mem Hors Ser (2):249-254
1964 421 EN835M
Bacillus thuringiensis, Diprionidae, Mortality, Pristiphora erichsonii, Tenthredinidae, Toxins. French summary.

155-69
FUNCTIONAL ASPECTS OF THE ORGANIZAION OF THE INSECT NERVOUS SYSTEM.
D S Smith J E Treherne
Advances Insect Physiol 1:401-484 REF
1963 420 AD9
Insect physiology, Muscles, Nervous system.

156-69
COMPUTING A POPULATION BUDGET FROM SEQUENTIALLY SACRIFICED, REPLICATED CULTURES.
R R Sokal E H Bryant
Res Population Ecol 9(1):10-18
Jun 1967 420 K99
Experimental design, Insect eggs, Larvae, Musca domestica, Population statistics, Pupae, Statistical methods. Japanese summary.

157-69
THE EFFECTS OF INSECTICIDES ON THE INTERRELATIONSHIP BETWEEN APHIS FABAE SCOP. AND SOME OF ITS EPISITES. (GE)
R Sol
Entomophaga 6(1):7-33 REF
1961 421 EN835
Aphis fabae, Biochemistry, Insect behavior, Insecticides. English summary

158-69
A MICROSPORIDIAN, THELOHANIA SP., PATHOGENIC FOR THE CABBAGE LOOPER TRICHOPLUSIA NI.
C M Splittstoesser F L McEwen
J Invertebrate Pathol 12(2):231-237
Nov 1968 421 J826
Dosage, Hyalophora cecropia, Insect diseases, Mortality, Thelohania, Trichoplusia ni.

159-69
A NEW CONTRIBUTION TO THE STUDY OF THE CABBAGE MOTH CONTROL (MAMESTRA BRASSICAE L.). (SE)
A Stankovic D Camprag R Sekulic D Varga M Glozanski M Vrgov
Agrohemija (516):207-216 REF
1968 385 AG87
Biochemistry, Biological control (insects), Cercospora beticola, Chemical control (insects), Experimental insects, Insecticides, Mamestra brassicae, Parasitism, Research, Sugar beets. English summary.

160-69
BIONOMICS AND ECOLOGY OF EPHEDRUS PULCHELLUS STELFOX AN IMPORTANT PARASITE OF LEAF-CURLING APHIDS IN CZECHOSLOVAKIA WITH NOTES ON THE DIAPAUSE (HYM. APHIDIIDAE).
P Stary
Entomophaga 7(2):91-100
1962 421 EN835
Aphididae, Biological control (insects), Ephedrus persicae, Insect biology, Insect ecology, Larvae, Parasitic insects. French summary..

161-69
INVESTIGATIONS CONCERNING THE BIOLOGICAL CONTROL OF THE APPLE MOTH (CARPOCAPSA POMONELLA (L.)) BY MEANS OF EGG PARASITES OF THE GENUS TRICHOGRAMMA. (GE)
W Stein
Entomophaga 5(3):237-259 REF
1960 421 EN835
Biological control (insects), Carpocapsa pomonella, Insect behavior, Insect eggs, Parasitism, Research, Trichogrammatidae. English summary

162-69
DIAGNOSIS: A CENTRAL PILLAR OF INSECT PATHOLOGY.
E A Steinhaus
Entomophaga Mem Hors Ser (2):7-21
1964 421 EN835M
Diagnosis, Insect diseases, International cooperation, Laboratories, Symptomatology. French summary

163-69
STRUCTURE OF CYASTERONE, A NOVEL C29 INSECT-MOULTING SUBSTANCE FROM CYATHULA CAPITATA.
T Takemoto Y Hikino K Nomoto H Hikino
Tetrahedron Lett (50):5136
Dec 1967 385 T29
Carbon isotopes, Cyasterone, Cyathula capitata, Insect behavior, Insect physiology. This article is to correct an error found in Tetrahedron Letters (33):3191-3194, 1967.

164-69
A MATHEMATICAL MODEL FOR TWO TRIBOLIUM POPULATIONS IN COMPETITION.
N W Taylor
Ecology 49(5,SUMMER):843-848 REF
1968 410 EC7
Insect behavior, Mathematics, Models, Population, Tribolium.

165-69
OBSERVATIONS AND STUDIES ON EXTOMOPHAGOUS FUNGI IN HUNGARY. (FR
G Ubrizsy J Voros
Entomophaga Mem Hors Ser (2):125-128
1964 421 EN835M
Biological control (pests), Entomogenous fungi, Hyphantria cunea, Insect diseases, Leptinotarsa decemlineata. English summary.

166-69
A DEFENSE MECHANISM IN ONYCHIURUS (COLLEMBOLA, ONYCHIURIDAE).
M B Usher R A Balogun
Entomol Mon Mag 102(1229-1231):237-238
Oct 1966 421 EN86
Collembola, Insect behavior, Insect tropism, Onychiuridae, Predaceous mites, Veigaia.

167-69
APPLICATION OF BETA-PROPIOLACTONE ON THE REARING OF THE SILKWORM, BOMBYX MORI L. (JA)
S Utsumi M Kitano M Onishi K Kurisu C Yamaguchi Y Ichikawa
J Sericult Sci Jap 37(3):207-212
Jun 1968 425.9 SE6
Antiseptics, Biochemistry, Bombyx mori, Hydracrylic acid beta-lactone, Insect diseases, Insect physiology, Insect rearing, Microorganisms, Spraying.

168-69
CULTURES OF INSECT TISSUES WITH THE AID OF MAMMALIAN SERUM. (FR
C Vago S Chastang
Entomophaga 7(2):175-179
1962 421 EN835
Lepidoptera, Mammals, Reproductive organs, Scrum, Tissue culture. English summary.

169-69
ELECTRON MICROSCOPIC STUDY OF THE INTRACELLULAR RICKETTSIA PATHOGENESIS USING MELOLONTHA MELOLONTHA L. (FR)
C Vago O Croissant
Entomophaga 5(4):271-283 REF
1960 421 EN835
Electron microscopes, Insect biology, Melolontha melolontha, Research, Rickettsial diseases.

170-69
THE EFFECT OF BIOCLIMATE ON THE COMMUNICATION SYSTEM OF NIGHT-FLYING MOTHS.
V J Valli P S Callahan
Int J Biometeorol 12(2):99-118 REF
May 1968 340.8 IN8
Carbon dioxide, Climate, Communications, Infrared rays, Insect anatomy, Insect biology, Insect flight, Light traps, Moths, Ozone, Radiation, Temperature. German and French summary

171-69
ELECTROPHORETIC SEPARATION OF THE HEMOLYMPH PROTEINS IN THE SILKWORM, BOMBYX MORI L., INFECTED WITH THE NUCLEARPOLYHEDROSES VIRUS. (JA)
H Watanabe R Kobara M Hosaka
J Sericult Sci Jap 37(4):319-322
Aug 1968 425.9 SE6
Bombyx mori, Electrophoresis, Fat body, Insect diseases, Insect physiology, Polyhedroses, Proteins, Viruses. English summary.

172-69
RESPONSES OF APHIDS TO PRESSURE APPLIED TO LIQUID DIET BEHIND PARAFILM MEMBRANE LONGEVITY AND LARVIPOSITION OF MYZUS PERSICAE (SULZ.) AND BREVICORYNE BRASSICAE (L9) (HOMOPTERA: APHIDIDAE) FEEDING ON SUCROSE AND SINIGRIN SOLUTIONS.
C H Wearing
New Zealand J Sci 2(1):105-121, REF
Mar 1968 514 N482
Brevicoryne brassicae, Diet, Feeders, Feeding, Insect behavior, Larvae, Longevity, Myzus persicae, Reproduction, Sinigrin, Sucrose.

173-69
PROTOZOAN AND NEMATODE INFECTIONS OF INSECTS. (GE)
J Weiser
Entomophaga Mem Hors Ser (2):67-75 REF
1964 421 EN835M
Infectious diseases, Insect diseases, Nematodes, Parasitism, Protozoa. English summary

174-69
INFECTIOUSNESS OF COCCIDIANS FOR INSECTS. (GE)
J Weiser
Entomophaga Mem Hors Ser (2):105-107
1964 421 EN835M
Adelina tribolii, Ephestia, Galleria, Insect diseases, Larvae, Tenebrio, Tribolium. English summary.

175-69
COMPARATIVE SUSCEPTIBILITY OF LEPIDOPTEROUS LARVAE TO BACILLUS THURINGIENSIS BERLINER.
C A White J D Briggs
Entomophaga Mem Hors Ser (2):305-308
1964 421 EN835M
Bacillus thuringiensis, Biological control (insects), Dosage, Larvae, Lepidoptera, Mortality. French summary.

176-69
THE BIOCHEMISTRY OF SUGARS AND POLYSACCHARIDES IN INSECTS.
G R Wyatt
Advances Insect Physiol 4:287-360 REF
1967 420 AD9
Biochemistry, Biosynthesis, Carbohydrates, Glycerol, Glycogen, Glycoproteins, Hormones, Insect metabolism, Insect physiology, Polysaccharides, Sugars.

177-69
A CONTRIBUTION TO THE STUDY OF THE MODE OF ACTION OF BACILLUS THURINGIENSIS BERLINER IN REGARD TO THE FLOUR MOTH ANAGASTA (EPHESTIA) KUEHNIELLA ZELLER (LEPIDOPTERA). (FR)
C Yamurias
Entomophaga 7(2):101-159 REF
1962 421 EN835

Anagasta kuehniella, Bacillus thuringiensis, Bacteria, Culture media, Insect diseases, Insect physiology, Lepidoptera, Toxins. English summary.

178-69
THE STUDIES OF THE BEHAVIOR OF CULEX PIPIENS FATIGANS WITH SPECIAL REFERENCE TO DISPERSAL, MATING AND FEEDING.
M Yasuno C Harinasuta
Jap J Exp Med 37(6):525-534 REF
Dec 1967 448.8 J272
Culex pipiens quinquefasciatus, Feeding, Insect behavior, Insect dissemination, Reproduction.

179-69
THE SUSCEPTIBILITY OF VARIOUS SPECIES OF MOSQUITOES TO DDT AND DIELDRIN IN THAILAND.
M Yasuno Y Kerdpibule
Jap J Exp Med 37(6):563-579
Dec 1967 448.8 J272
Culicidae, Dieldrin, DDT, Insecticide resistant insects.

180-69
THE BIOLOGY OF COPTOPTERYX GAYI (BLANCHARD) (MANTODEA). (SP
S Zapata
Chile Univ Centro Estud Entomol Publ (6):45-58
1964 420 C432
Coptopteryx gayi, Insect biology. English summary.

GENETICS

181-69
THE DEVELOPMENT OF THE SEROSA IN MALE EMBRYOS OF THE MEALY BUG, PSEUDOCOCCUS OBSCURUS ESSIG.
A A Bregman
J Exp Zool 169(2):173-189 REF
Oct 1968 410 J825
Cells, Chromosomes, Embryology, Insect genetics, Pseudococcus obscurus, Ultraviolet rays, X-rays.

182-69
GENETIC RESISTANCE OF THE SILKWORM, BOMBYX MORI L., TO AN INFECTION OF A FLACHERIE VIRUS. (JA)
T Funada
J Sericult Sci Jap 37(4):281-287
Aug 1968 425.9 SE6
Bombyx mori, Breeding, Flacherie, Immunity, Insect diseases, Insect genetics, Viruses. English summary.

183-69
MITE CHROMOSOMES; AN EXCEPTIONALLY SMALL NUMBER.
J H Oliver B C Nelson
Nature 214(5090):809
20 May 1967 472 N21
Chromosomes, Harpyrhynchus, Insect eggs, Insect genetics, Insects, Mites, Morphology, Research.

184-69
FENETIC STUDY OF A MUTATION MODIFYING THE SENSITIVITY OF A LAMBDA PHAGE TO IMMUNITY. (FR)
L H Reira Da Silva F Jacob
Inst Pasteur Ann 115(2):145-158 REF
Aug 1968 448.3 AN75
Bacteriophages, Chromosomes, Genetics, Immunity, Mutation, Tables (data), Viruses. English summary.

MEDICAL ENTOMOLOGY

185-69
MEDICAL PARASITOLOGY AND EXOTIC PATHOLOGY. (FR)
H Harant
301P PARIS, LIBRAIRIE MALOINE
1963 RC119.H3 1963
Hematologic diseases, Infectious diseases, Medical entomology, Parasites, Parasitology, Virus diseases.

186-69
PROBLEMS OF PUBLIC HEALTH AND MEDICAL ENTOMOLOGY. (IT)
M Mariani
Accad Naz Ital Entomol Atti 10:96-104
1962 420 AC2
Arthropoda, Epidemiology, Insect control, Insect vectors, Insecticides, Medical entomology, Public health. English summary.

187-69
PYRETHRUM AS AN INSECT REPELLENT. III. A STUDY OF THE PERSISTENCE OF PYRETHRINS FILMS, WHEN APPLIED IN THREE TYPES OF FORMULATION, AS INSECT REPELLENTS TO HUMAN SKIN.
N K Sylvester A J S Weaving
Pyrethrum Post 9(2):8-14
Oct 1967 421 P99
Aedes aegypti, Chromatography, Formulations, Humans, Insect repellents, Insect vectors, Pyrethrum, Skin, Time.

CROP PROTECTION

188-69
SORGHUM ON THE MOVE.
B Barksdale
Farm Quart 23(6,WINTER):64-67,90-91
1969 6 F22995
Crop rotation, Geography, Plant breeding, Sorghum.

189-69
OFFICIAL REGISTER OF PLANT PROTECTION PREPARATIONS- AND EQUIPMENT 1968. (GE)
Pflanzenarzt 21(1):46P
Feb 1968 464.9 P482
Equipment, Legislation, Pesticides, Plant protection, Tables (data).

190-69
OFFICIAL REGISTER OF PLANT PROTECTION PREPARATIONS- AND EQUIPMENT 1967. (GE)
Pflanzenarzt 20(1):44P
Feb 1967 464.9 P482
Equipment, Legislation, Pesticides, Plant protection, Tables (data).

191-69
68TH ANNUAL REPORT OF THE BUREAU OF SUGAR EXPERIMENT STATIONS.
Queensland Bur Sugar Exp Sta Ann Rep 68:96P MAP
1968 65.9 Q3
Agronomy, Engineering, Entomology, Plant breeding, Plant diseases, Reports, Soils, Sugarcane.

192-69
AN APPRAISAL OF HIGH MEDIUM AND LOW VOLUME METHODS OF SPRAY APPLICATION.
J B Byass
Plant Protect Abs 4:206
Sep 1968 241.75 P69
Pesticides, Plant protection, Spraying. Pans, vol. 14, no.2, May 1968, p.249-255.

193-69
PHOTOCHEMICAL AND EXHAUST FUME DAMAGE TO PLANTS.
E F Darley O C Taylor J T Middleton
Plant Protect Abs 4:191
Sep 1968 241.75 P69
Exhaust gases, Fumes, Photochemistry, Plant injuries. First International Congress of Plant Pathology, London 14-26 July, 1968.

194-69
HOW TO PRODUCE HIGH YIELDS.
S K Dutta
Tocklai Exp Sta Newslett 14(3):101-107
Sep 1967 68.18 T93
Agricultural productivity, Crop yields, Heliophobous plants, Insect pests, Light, Nurseries, Plant diseases, Planting, Pruning, Soils, Tea, Tillage, Water.

195-69
PLANT PROTECTION AND THE ECONOMICAL POSITION OF FARMING. (GE
H Fischer
Gesunde Pflanzen 20(1):1-4
Jan 1968 464.8 G33
Agricultural economics, Crop yields, Plant protection, Plants.

196-69
THE OCCURRENCE OF THE IMPORTANT CAUSES OF DAMAGE TO CULTIVATED PLANTS IN AUSTRIA DURING 1967. (GE)
G Glaeser
Pflanzenschutzberichte 37(4/6):67-85
Mar 1968 464.9 P48
Crop losses, Crops, Insect pests, Plant diseases, Weather. English summary. most important damage causing diseases and insects are listed.

197-69
ANNUAL PLANT PROTECTION REPORT 1966. (GE)
G Glaeser
Pflanzenarzt 20(5):49-50
01 May 1967 464.9 P482
Plant protection, Reports.

198-69
TIMBER. TETRAMELES NUDIFLORA R., RESISTANT TO TEREDID BORERS IN BOMBAY HARBOUR.
A A Karande
Nature 213(5071):105
07 Jan 1967 472 N21
Larvae, Marine borers, Plant pest resistance, Research, Teredo, Timber, Wooden piles.

199-69
GIBBERELLIN A23 IN IMMATURE SEEDS OF LUPINUS LUTEUS.
K Koshimizu H Fukui M Inui Y Ogawa T Mitsui
Tetrahedron Lett 9:1143-1147
Feb 1968 385 T29
Chemical structure, Gibberellins, Lupinus luteus, Plant hormones, Plant regulators, Seeds.

200-69
MYCOLOGICAL STROLLS. (FR)
M Le Gal
390P REF PARIS, J-B. BAILLIERE ET FILS
1967 QK617.L4
Mushrooms, Mycology.

201-69
CURRENT LITERATURE XIX: AN ANNOTATED BIBLIOGRAPHY.
D Leatherdale
Marcellia 34(2):109-115
Jun 1967 421 M33
Bacteria, Bibliography, Gall-making insects, Plant galls.

202-69
CITRUS CULTURE.
E A Manuel D J Moore J H Jones
Bermuda Dep Agr Bull (36):30P
Jan 1967 8 B45B
Citrus, Citrus nurseries, Containers, Fertilizers, Insects, Mites, Plant diseases, Plant propagation, Planting.

203-69
THE EFFECT OF MUCIN ON THE AMINO ACID ABSORPTION IN THE RAT INTESTINE. (JA)
T Nagasawa M Maeda M Niyomura I Kiyosawa
Jap Soc Food Nutr J 20(4):328-331
Feb 1967 389.9 J27

Absorption (biological), Amino acids, Assay, Biochemistry, Intestines, Mucins, Rats, Research, Temperature.

204-69
FIRST REPORT OF THE REGULAR LIMNOLOGICAL SURVEY OF LAKE BIWA (OCT. 1965 -DEC. 1966) II. PLANKTON IN GENERAL AND PHYTOPLANKTON.
K Negoro
Kata Univ Fac Sci Mem Ser Biol (N S)1(1):41-61
Oct 1967 QH301.K9
Aquatic plants, Limnology, Plankton, Reports, Surveys, Time.

205-69
APPLICATION OF INSECTICIDES TO PADDY WATER FOR MORE EFFECTIVE RICE PEST CONTROL.
M D Pathak
10(6,NOV-DEC):12-17
1968
Chemical control (pests), Control equipment, Foliar application, Insecticide application, Rice, Spraying, Water treatment.

206-69
CONTAINER GROWING. CHAPTER 22: INSECTS AND DISEASES.
J M Patterson
Amer Nurseryman J 128(11):9,77-78
01 Dec 1968 80 AM371
Blight, Chemical control (insects), Chemical control (plant diseases), Containers, Fungicides, Insect pests, Insecticides, Juniperus, Plant diseases, Plant physiology, Plant protection, Roots.

207-69
OBSERVATIONS ON BLUE-STAIN AND PINHOLE BEETLES AND THEIR CONTROL, IN UNPEELED LOGS OF PINGS CARIBAEA IN TRINIDAD.
R G Pawsey
Commonwealth Forest Rev 47(133):211-224
Sep 1968 99.8 EM72
Blue stain (coniferae), Diplodia natalensis, Fungus diseases (plants), Pinus caribaea, Plant pest control, Xyleborus affinis.

208-69
SAMPLING PESTS AND DISEASES OF TEA: III.
A R Sarkar
Tocklai Exp Sta Newslett 14(3):129-132
Sep 1967 68.18 T93
Agricultural economics, Crop losses, Equipment, Insect pests, Plant diseases, Plant protection, Tea.

209-69
POLLINATION WITH THE SPRAY APPARATUS .
M Saure
Plant Protect Abs 4:195
Sep 1968 241.75 P69
Fruit, Pollination, Spraying equipment. Mitt. Obst Versuchsringes, Jork, 1967, 22:219-23.

210-69
FORTY YEARS OF PEST CONTROL WORK. (GE)
G Schulze
Prakt Schadlingsbekampfer 19(3):30-31
Mar 1967 421 P882
Agricultural history, Pest control, Reviews.

211-69
PESTS ARE ENDANGERING OUR CULTIVATED PLANTS. (GE)
K Schumann T Wetzel
184P LEIPZIG, VEB FACHBUCHVERLAG
1962 SB953.S3
Bacterial diseases (plants), Biological control (pests), Chemical control (pests), Fungicides, Fungus diseases (plants), Herbicides, Insect pests, Insecticides, Plant diseases, Plant nematodes, Plant protection, Rodent control, Spraying, Storage diseases, Virus diseases (plants).

212-69
SPECIAL PREPARATIONS RECOGNIZED BY THE STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR FOR CONTROL OF PLANT DISEASES AND PESTS. (DA)
Niwlaan and Lydiche, Capenhagen, Denmark 32P.
1964 464.4 D41
Chemical control (insects), Chemical control (plant diseases), Pesticides.

213-69
SOME IMPACTS OF BEEKEEPING ON THE MANAGEMENT OF THE MIOMBO IN TANZANIA.
P V Tesha
Commanwealth Farest Rev 47(133):238-242 REF
Sep 1968 99.8 EM72
Apiculture, Bees, Forestry, Forests, Trees.

214-69
DEFOLIATION IN VIETNAM.
F H Tschirley
Science 163(3869):779-786 REF
21 Feb 1969 470 SC12
Animals, Climate, Defoliation, Ecology, Forests, Herbicides, Plants, Population, Soils.

215-69
THE EFFECT OF TEMPERATURE AND FUMIGATION ON THE NITRIFICATION RATE IN SOIL.
D W Wilson
Sail Conserv Soc Amer Prac 22:129-131 REF
13 Aug 1967 56.9 SO33P
Fumigation, Nitrification, Research, Soil analysis, Soil texture, Temperature.

DISEASES

216-69
THE GYPSY MOTH THREAT IN AMERICA.
Agrichem West 11(9):13-14
Sep 1968 381 AG85
Aerial spraying, Biological control (insects), Carbaryl, Chemical control (insects), DDT, Epidemiology, Hardwoods, Insect morphology, Porthetria dispar, Research, Trees.

217-69
VARIETAL RESISTANCE TO CLOVER ROT IN WHITE CLOVER.
D T A Aldrich D A Doling
Nature 214(5059):946-947
27 May 1967 472 N21
Clover, Crops, Fungus diseases (plants), Plant disease resistance, Plant physiology, Research, Rot, Sclerotinia trifoliorum, White clover.

218-69
VARIATION IN THE HOST-PARASITE RELATIONSHIP OF A CROP DISEASE.
M H Arnold S J Brown
Empire Cotton Growing Carp Res Mem (71):19-36 REF
1968 72.9 EM7R
Bacterial diseases (plants), Blight, Cotton, Crop varieties, Host indexing (plants), Parasitism, Plant disease resistance, Plant genetics, Regression analysis, Xanthomonas malvacearum.

219-69
PARTIAL PURIFICATION OF SUGARCANE MOSAIC VIRUS BY FILTRATION THROUGH GEL. (FR)
P Baudin G Larbaight A Dodin
Inst Pasteur Ann 115(2):288-296
Aug 1968 448.3 AN75
Extracts, Filters, Gels, Mosaic, Purification, Sugarcane, Ultraviolet rays, Virus diseases (plants). English summary.

220-69
IS ERGOT INFECTION UNIMPORTANT . (GE)
A Becker
Gesunde Pflanzen 19(3):41-44
Mar 1967 464.8 G33
Agricultural economics, Claviceps purpurea, Crop losses, Fungus diseases (plants), Plant diseases.

221-69
THE BORON STATUS OF DECIDUOUS FRUIT AS REFLECTED BY LEAF AND FRUIT COMPOSITION.
E Beyers W J Pienaar
Deciduous Fruit Grower 18(PT 5):142-146 REF
May 1968 80 D35
Boron, Deficiency diseases, Fruit, Leaves, Plant composition, Plant nutrition.

222-69
HINDSIGHT AND FORESIGHT CAN CONTROL COTTON SEEDLING DISEASE.
L S Bird
Catton 4(6):16,26
Jun 1968 72.8 C8225
Chemical control (plant diseases), Cotton, Fungicides, Fungus diseases (plants), Seed treatment, Seedlings, Temperature.

223-69
PROTECTION AGAINST VIRUS DISEASES, AN ESSENTIAL ASPECT OF MAINTENANCE BREEDING IN FRUIT GROWING IN CZECHOSLOVAKIA. (GE
C Blattny B Zimandl
Klostbg Haheren Bund- Vers Wien- Ovst Mit Ser A, Rebe Wein 17(2):146-153 REF
Mar 1967 105.9 K696
Breeding, Fruit, Plant disease control, Plant protection, Virus diseases (plants). English, French, and Spanish summaries.

224-69
POSSIBILITIES AND LIMITS OF VISUAL SELECTION IN THE CONTROL OF THE VIRUS DISEASES OF GRAPEVINES: AN EXPERIENCE WITH SOME RED VARIETIES IN THE SWISS ROMAND. (FR)
R Bovey H Leyuraz F Pelet J-l Pitton J-l Simon
Switzerland Stat Essais Agr Lausanne Publ 366-374 REF
1967 105.5 SW63
Crop varieties, Diagnosis, Economics, Grapes, Serological tests, Thermotherapy, Virus diseases (plants), Visual classification. Reprint from Vitis.

225-69
TRITICALE IN 1967.
E N Carter
Northwest Crop Produc Canf Rep 1967 MEETING:14-20
1967 464.9 N813
Plant breeding, Plant disease resistance, Rye, Time, Triticale, Wheat. T. hexaploid is a new crop, a hybrid between wheat and rye.

226-69
COFFEE BERRY DISEASE.
C I Critchett L M Fernie
Tanganyika Coffee News 8(1,JUL-SEP):17-19
1967 68.28 T15
Coffee, Coffee berry disease, Fungus diseases (plants), Plant breeding, Pruning, Spraying.

227-69
METHODS CONCERNING THE DETERMINATION OF THE EFFECTIVENESS OF INSECTICIDES AGAINST THE EUROPEAN CORN BORER (OSTRINIA (PYRAUSTA) NUBILALIS HBN.) WITH SMALL CONTROL TESTS AND AERIAL CHEMICAL APPLICATIONS. (GE)
T Djulizibaric
Pflanzenschutzberichte 38(3/4):47-56 REF
Jun 1968 464.9 P48
Aerial spraying, Chemical control (pests), Corn, Crop losses, Insecticides, Ostrinia nubilalis, Tables (data). English summary.

228-69
TEMPTING THE SOYBEAN'S ERRATIC APPETITE.
W Evans
Farm Quart 23(6,WINTER):72,9 ,94
1969 6 F22995

Fertilizers, Nitrogen, Nutrient solutions (plants), Phosphorus, Plant nutrition, Potassium, Soybeans.

229-69
THE FACTORS DETERMINING THE EFFICACY OF BIOLOGICAL PREPARATIONS IN PLANT PROTECTION. (FR)
N S Fedorintchik
Entomophaga Mem Hors Ser (2):51-61 REF
1964 421 EN835M
Biological control (pests), Biological products, Culture media, Insect physiology, Integrated control (insects), Plant protection. English summary.

230-69
FIREBLIGHT: A DISEASE WE DON'T WANT.
G W Gayford
Victorian Hort Dig 12(4,NOV-JAN):7-8
1969 80 V662
Apples, Bacterial diseases (plants), Erwinia amylovora, Fire blight, Pears, Plant protection, Plant quarantine.

231-69
VERTICILLIUM WILT IN THE TOMATO CULTURES OF THE VALAIS. (FR
D Gindrat
Switzerland Stat Essais Agr Lausanne Publ (790):3-7 REF
Oct 1967 105.5 SW63
Chemical control (plant diseases), Chloropicrin, Crop rotation, Diagnosis, Fungus diseases (plants), Methyl bromide, Plant disease control, Soil sterilization, Tomatoes, Verticillium albo-atrum, Wilt. Extract from Swiss Horticultural Review 40(10):320-325, 1967.

232-69
DIDYMELLA BRYONIAE, A NEW FUNGUS PARASITE OF CUCUMBER CULTURES. (FR)
D Gindrat A Bolay
Switzerland Stat Essais Agr Lausanne Publ (776):4P
Dec 1966 105.5 SW63
Cucumbers, Diagnosis, Didymella bryoniae, Fungus diseases (plants), Heat, Parasitism, Seedlings, Soil sterilization, Temperature. Extract from Swiss Horticulture Review, 39(12):371-375, 1966.

233-69
CONTROL OF POST-HARVEST DECAY AND THE INFLUENCE OF POSTHARVEST TREATMENTS ON DECAY IN CLINGSTONE-PEACHES.
A J Heyns H D Erasmus W F S Schwabe
Deciduous Fruit Grower 18(PT 5):146-147
May 1968 80 D35
Fungus diseases (plants), Harvesting, Monilinia fructicola, Peaches, Plant protection, Rhizopus nigricans, Rot.

234-69
CORALLOID ROOT SYSTEMS IN PLANTS SHOWING LIME INDUCED CHLOROSIS.
T C Hutchinson
Nature 214(5059):943-945 REF
27 May 1967 472 N21
Chlorosis, Leaves, Lime, Plant grafting, Plant metabolism, Plant nutritional deficiencies, Plant translocation, Research, Roots, Soils.

235-69
ON THE OCCURRENCE AND TREATMENT OF ACTINOBACILLOSIS IN CATTLE. (CZ)
J Hybasek D Pichova J Picha
Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 13(1):25-30 REF
Jan 1968 41.9 C333
Actinobacillosis, Bacterial diseases (animals), Blood serum, Cattle, Chemical control (animal diseases), Drug therapy, Injections, Iodine, Proteins. English, Russian, and German summaries.

236-69
PHYSIOLOGIC RACES OF PUCCINIA RECONDITA F. SP. TRITICI IN THE UNITED STATES FROM 1926 THROUGH 1960.
C O Johnston R M Caldwell L E Compton L E Browder
U S D A Tech Bull 1393:18 P.
Jun 1968 1 AG84TE
Epidemiology, Fungus diseases (plants), Leaf rust (wheat), Plant physiology, Plant taxonomy, Puccinia recondita, Research, Tables (data).

237-69
CONTROL OF RACE 2 FUSARIUM OF TOMATOES.
J P Jones S S Woltz
Sunshine State Agr Res Rep 13(5-6,SEP-NOV):8-9
1968 100 F66SU
Deficiency diseases, Fungus diseases (plants), Fusarium oxysporum lycopersici, Microorganisms, Plant disease control, Plant protection, Research, Soil sterilization, Tomatoes, Wilt.

238-69
THE INFLUENCE OF HERBICIDES ON THE INCIDENCE OF DISEASE WITH PARTICULAR REFERENCE TO TEMPERATE FRUIT CROPS.
T Kavanagh
Plant Protect Abs 4:190
Sep 1968 241.75 P69
Biochemistry, Environment, Fruit, Herbicides, Plant diseases. First International Congress of Plant Pathology, London 14-26 July, 1968.

239-69
A NOTE ON THE ISOLATION AND CHEMICAL CHARACTERISTICS OF ANTIFUNGAL AGENTS FROM EXTRACTS OF ANAGALLIS ARVENSIS L.
S G S Khanna Y L Nene C K Banerjee P N Thapliyal
Indian Phytopathol 20(1):64-66
Mar 1967 464.8 IN2
Anagallis arvensis, Colletotrichum papayae, Fungicides.

240-69
STATUS OF SEED TREATMENT FOR BARLEY SMUT CONTROL.
R L Kiesling
Northwest Crop Produc Conf Rep 1967 MEETING:7
1967 464.9 N813
Barley, Fungus diseases (plants), Loose smut, Pest control, Seed treatment.

241-69
SPRUCE GALLS IN WISCONSIN.
C Koval
Amer Nurseryman J 128(11):76-77
01 Dec 1968 80 AM371
Aphididae, Feeding, Picea, Plant diseases, Plant galls.

242-69
DIRECTIONAL GROWTH OF THE UREDIOSPORE GERM TUBES AND STOMATAL PENETRATION.
R Maheshwari A C Hildebrandt
Nature 214(5093):1145-1146
10 Jun 1967 472 N21
Antirrhinum majus, Electron microscopy, Fungus diseases (plants), Leaves, Plant physiology, Puccinia antirrhini, Reproduction, Stomata, Tissues.

243-69
REDISTRIBUTION OF 45CA IN TRIFOLIUM SUBTERRANEUM L AND ANTIRRHINUM MAJUS L.
C R Millikan B C Hanger
Australian J Biol Sci 20(6):1119-1130 REF
Dec 1967 442.8 AU72
Antirrhinum, Calcium isotopes, Radioactive tracers, Subterranean clover.

244-69
THE DETECTION OF PRIMARY INFECTIONS OF VIRUS DISEASES IN POTATO PLANT CULTURES. (FR)
J Muenster P Cornu
Switzerland Stat Essais Agr Lausanne Publ 235-236
1966 105.5 SW63
Crop losses, Diagnosis, Plant disease transmission, Potatoes, Virus diseases (plants). Reprint of Third Triennial Conference EAPR (1966), Proceedings.

245-69
DECAY OF RUBBER WOOD IN A REPLANTING AND ITS EFFECT ON ROOT DISEASE.
A Newsam K P John B S Rao
Rubber Res Inst Malaya J 20(PT 1):1-7
1967 78.9 R824J
Herbicides, Hevea brasiliensis, Plant diseases, Poisoning, Roots, Sodium arsenite, T, 2,4,5-, Wood decay.

246-69
PHYSIOLOGICAL RACES OF PUCCINIA STRIIFORMIS IN THE WHEAT OF IRAN. (GE)
E Niemann G Scharif A Bamdadian
Iran Inst Rech Entomol Phytopathol Entomol Phytopathol Appl (26):17-21
Nov 1967 464.9 P432
Fungus diseases (plants), Plant physiology, Puccinia glumarum, Puccinia striiformis, Tables (data), Wheat. English summary. persian translation.

247-69
THE SUSCEPTIBILITY OF SOME CULTIVATED PLANTS TO SCLEROTIUM ROLFSII SACC. (GE)
E Niemann G Scharif A Mirkamali
Iran Inst Rech Entomol Phytopathol Entomol Phytopathol Appl (26):22-26
Nov 1967 464.9 P432
Crops, Fungus diseases (plants), Plant disease resistance, Sclerotium rolfsii, Tables (data), Vegetables. English summary. persian translation.

248-69
THE EFFECT OF SOWING DATES ON THE REACTIONS OF SIX WHEAT STRAINS TO STEM RUST.
B P Patil
Indian Phytopathol 20(1):45-49
Mar 1967 464.8 IN2
Dates, Stem rust, Wheat.

249-69
LINDANE: METABOLISM TO A NEW ISOMER OF PENTACHLOROCYCLOHEXENE.
W T Reed A J Forgash
Plant Protect Abs 4:201
Sep 1968 241.75 P69
Biochemistry, Chlorinated hydrocarbons, Cyclohexenes, Isomerism, Lindane, Metabolites, Musca domestica. Science, vol. 160, June 14, 1968 p.1232.

250-69
RECOMMENDATIONS FOR CHEMICAL TREATMENT OF DISEASES OF HEVEA.
Rubber Res Inst Malaya Plant Bull (96):96-99
May 1968 78.9 R825
Chemical control (plant diseases), Dosage, Fungicides, Fungus diseases (plants), Gloeosporium, Hevea, Oidium, Pesticide application, Phytophthora.

251-69
DIEBACK.
Rubber Res Inst Malaya Plant Bull 90:107-111
May 1967 78.9 R825
Deficiency diseases, Dieback, Fungus diseases (plants), Microorganisms, Plant disease control, Plant injuries, Pruning, Rubber.

252-69
PHYTOPHTHORA LEAF FALL AND POD ROT.
Rubber Res Inst Malaya Plant Bull 90:99-106
May 1967 78.9 R825
Aerial spraying, Crop losses, Diagnosis, Environment, Phytophthora, Plant disease control, Ruhber.

253-69
CONTROL OF LETTUCE LEAF DROP BY SOIL DRENCHING WITH FUNGICIDES.
M L Sahni S R Dohre
Indian Phytopathol 20(1):69-71
Mar 1967 464.8 IN2
Fungicides, Leaf drop (lettuce), Lettuce, Sclerotinia, Soils.

254-69
SAMPLING PESTS AND DISEASES OF TEA. II.
A R Sarkar
Tocklai Exp Sta Newslett 14(2):72-75
Jun 1967 68.18 T93
Climate, Environment, Plant diseases, Soil conservation, Soil series, Tea, Tetranychidae, Zoogeography.

255-69
PROBLEMS OF FUNGICIDAL EFFICIENCY.
G Satyanarayana
Tocklai Exp Sta Newslett 14(3):123-124
Sep 1967 68.18 T93
Chemical control (plant diseases), Copper, Fungi, Fungicides, Nickel, Plant protection, Soils.

256-69
OAT DISEASES AND THEIR CONTROL.
M D Simons H C Murphy
U S D A Agr Handb (343):15P
Nov 1968 1 AG84AH
Bacterial diseases (plants), Fungus diseases (plants), Handbooks, Illustrations, Oats, Plant disease control, Plant nutritional deficiencies, Virus diseases (plants). 23 specific oat diseases are discussed.

257-69
MANGANOUS OXIDE (MNO) AS A FERTILIZER FOR CONTROLLING MANGANESE DEFICIENCY IN OATS.
K W Smilde
Neth J Agr Sci 16(3):197-203 REF
1968 12 N3892
Deficiency diseases, Manganese, Manganese oxides, Oats, Plant nutrition.

258-69
PLANT INSPECTION AND WHAT IT ENTAILS.
D Thomas G M Thomson
S Afr Sugar J 52(6):527,529
Jun 1968 65.8 SO8
Biological control (plant diseases), Inspection (agricultural products), Mosaic, Nurseries, Plant breeding, Plant disease control, Plant diseases, Ratoon stunt, Research, Sugarcane, Surveys.

259-69
RATOON STUNTING DISEASE AND DROUGHT A DISASTROUS COMBINATION.
G M Thomson
S Afr Sugar J 52(3):201,203
Mar 1968 65.8 SO8
Crop losses, Droughts, Heat, Plant diseases, Plant injuries, Ratoon stunt, Seed treatment, Sugarcane.

260-69
BACTERIAL STRIPE BLIGHT OF OATS CAUSED BY PSEUDOMONAS STRIAFACIENS (ELLIOTT) STARR ET BURKHOLDER. (JAP)
T Tominaga K Nishiyama
Jap Soc Grassland Sci J 14(1):51-55 REF
Apr 1968 60.9 J27
Agar, Bacterial diseases (plants), Biochemistry, Chemical control (plant diseases), Epidemiology, Hydrogen-ion concentration, Leaves, Oats, Pseudomonas striafaciens, Stripe, Temperature. English summary.

261-69
HOW FUNGI INFECT STORED GRAINS.
J Tuite
Grain Feed J 126(1):9
08 Jan 1969 298.8 G762
Agricultural products, Aspergillus flavus, Economics, Fungus diseases (plants), Gibberella zeae, Grain, Microbiology, Penicillium rubrum, Storage diseases.

262-69
SOME FACTS ABOUT FUNGICIDES.
B H Vine
Kenya Coffee 33(392):293-296
Sep 1968 68.29 C652
Coffee, Coffee berry disease, Fungicides, Fungus diseases (plants), Spraying, Storage, Toxicity.

263-69
HEAT PASTEURIZATION AND CHEMICAL FUNGICIDES FOR CONTROL OF FUSARIUM ROT OF CALIFORNIA CANTALOUPS.
J M Wells J K Stewart
Plant Protect Abs 4:207
Sep 1968 241.75 P69
Cantaloupes, Chemicals, Fungicides, Fungus diseases (plants), Fusarium roseum, Fusarium solani, Heat, Pasteurization, Rot. Plant Disease Reporter, vol. 52, no.4, April 1968, p.262.

264-69
RESISTANCE POWER OF THE AUSTRIAN WINTER WHEAT ASSORTMENT AGAINST DWARF BUNT (TILLETIA CONTROVERSA KUHN). (GE)
B Zwatz
Pflanzenschutzberichte 36(3/4):45-55 REF
Sep 1967 464.9 P48
Antiseptics, Fungus diseases (plants), Resistance, Seed treatment, Soil treatment, Tilletia controversa, Wheat. English summary.

ARTHROPODS

265-69
ULTRASOUND TO STOP THE MOTHS SETTLING.
Plant Protect Abs 4:192
Sep 1968 241.75 P69
Insect behavior, Insect pests, Moths, Plant protection, Sound waves. New Scientist, vol. 38, no. 597, May 16, 1968, p.347.

266-69
TENDER TRAP. (ABSTRACT).
Aust Tob Growers Bull (12):23
1968 69.8 AU72
Insect pests, Insect traps, Plant protection, Tobacco. Abstract from Tobacco Abstracts.

267-69
CHANGES IN THE GROWTH-REGULATOR CONTENT OF PLUM INFESTED WITH FRUIT TREE RED SPIDER MITE, PANONYCHUS ULMI (KOCH).
D J Avery H J Lacey
J Expt Bot 19(61):760-769 REF
Nov 1968 450 J8224
Biochemistry, Extracts, Fruit, Gibberellins, Indoleacetic acid, Insect control, Panonychus ulmi, Plant regulators, Plums.

268-69
LEAF DETERIORATIONS BROUGHT ABOUT BY THE CICADELLA EMPOASCA FLAVESCENS F. (HOM., TYPHLOCYBIDAE) GROWN ON APPLE TREES. (FR
M Baggiolini
Switzerland Stat Essais Agr Lausanne Publ 40(3/4):257-262
15 Apr 1968 105.5 SW63
Apples, Empoasca flavescens, Fruit, Insect vectors, Leaves, Plant diseases, Tree injuries, Typhlocyba crataegi, Typhlocybidae. Reprint from Communications of Swiss Entomological Society.

269-69
THE APPLE MOTH (RECURVARIA LEUCATELLA CL.) A LITTLE KNOWN PEST OF OUR FRUIT TREES. (FR)
M Baggiolini
Switzerland Stat Essais Agr Lausanne Publ (794):1-4
Sep 1967 105.5 SW63
Chemical control (insects), Crop losses, Fruit, Insect biology, Insect pests, Insecticide resistant insects, Insecticides, Recurvaria leucatella, Tree injuries. Extract from Romand Agriculture 6(9)(ser a):111-114, 1967.

270-69
THE NEED FOR CONSERVING NATURAL ENEMIES OF PESTS.
B Banerjee
Tocklai Exp Sta Newslett 14(3):133-136
Sep 1967 68.18 T93
Beneficial insects, Biological control (insects), Insect pests, Parasitism, Plant protection, Tea.

271-69
PEST PROFILES III. - WHITE BORER.
M Bigger
Tanganyika Coffee News 8(1,JUL-SEP):14-16
1967 68.28 T15
Anthores leuconotus, Coffee, Coleoptera, Insect pests.

272-69
A FRUIT PEST IS BEING STERILIZED. (GE)
H Bohm
Pflanzenarzt 20(5):50
01 May 1967 464.9 P482
Ceratitis capitata, Gamma irradiation, Insect control, Insect pests, Plant hosts, Pupae, Radiation, Sterilization (insects).

273-69
INSECT CONTROL ON GOLF GREENS.
V R Coleman
Southeast Turfgrass Conf Proc 21:46-47
Apr 1967 60.19 SO86
Golf courses, Insect biology, Insect control, Insect identification, Insect pests.

274-69
OLD AND NEW ACARIDAE, CITRUS PLANT PARASITES IN ITALY. (IT
G Costantino
Accad Naz Ital Entomol Atti 10:154-163 REF
1962 420 AC2
Aceria sheldoni, Brevipalpus, Citrus, Hemitarsonemus, Mites, Tetranychus urticae. French summary.

275-69
VIRUS INSECTICIDES.
Aust Tob Growers Bull (12):21
1968 69.8 AU72
Insect pests, Insecticides, Plant protection, Tobacco, Viruses.

276-69
RESEARCH YIELDS EASILY APPLIED VIRUS DEADLY TO CODLING MOTH LARVAE.
L A Falcon
Plant Protect Abs 4:200-201
Sep 1968 241.75 P69
Apples, Biological control (insects), Carpocapsa pomonella, Plant protection, Research, Virus diseases (animals). Western Fruit Grower, vol. 22, no. 5, May 1968, p.18.

277-69
TESTS WITH INSECTICIDES FOR THE CONTROL OF RESISTANT MYZUS PERSICAE (SULZER) ON YEAR-ROUND CHRYSANTHEMUMS.
H J Gould
Plant Protect Abs 4:197
Sep 1968 241.75 P69
Chemical control (insects), Chrysanthemum, Insecticide resistant insects, Insecticides, Myzus persicae. Plant Pathology, 17, 88-94, June 1968.

278-69
BIOLOGY OF THE SPINY BOLLWORM. (PE)
M Haidari
Iran Inst Rech Entomol Phytopathol Entomol Phytopathol Appl (26):31-36
Nov 1967 464.9 P432
Cotton, Earias insulana, Insect biology, Insect morphology, Larvae, Tables (data), Temperature.

279-69
INHIBITION BY BLASTICIDIN S OF THE ABILITY OF LEAFHOPPERS TO TRANSMIT RICE STRIPE VIRUS.
T Hirai T Saito H Onda K Kitani A Kiso
Plant Protect Abs 4:207
Sep 1968 241.75 P69
Blasticidin s, Cicadellidae, Insect vectors, Rice, Stripe, Virus diseases (plants). Phytopathology, vol. 58, no. 5, May 1968, p.602.

280-69
OBSERVATIONS ON THE CONTROL OF THE COFFEE BERRY BORER, HYPOTHENEMUS HAMPEI (FERR.), WITH ENDOSULFAN IN UGANDA.
W R Ingram
Plant Protect Abs 4:196-197
Sep 1968 241.75 P69
Chemical control (insects), Coffee, Endosulfan, Hypothenemus hampei. Bulletin of Entomological Research, vol.57, June 1968, p.539-547.

281-69
THE HESSIAN FLY.
H N Lafever R L Gallun J H Hatchett R E Treece
Ohio Rep Res Develop Biol Agr Home Econ 53(4,JUL-AUG):54-55;MAP
1968 100 OH3S (3)
Aging, Hibernation, Insect morphology, Mayetiola destructor, Plant injuries, Plant protection, Surveys, Wheat.

282-69
WHAT HAPPENS WHEN SPRAYS ARE NO LONGER NEEDED FOR CONTROL OF CODLING MOTH.
H Madsen
Plant Protect Abs 4:198-200
Sep 1968 241.75 P69
Apples, Biological control (insects), Carpocapsa pomonella, Insect control, Plant protection, Spraying, Sterility. Western Fruit Grower, voe. 22, no. 5, May 1968, p.13-16.

283-69
CONTROL OF INSECT AND MITE PESTS OF SMALL FRUITS.
J P Miller
Wash State Coll Dept Ext Memo Circ 2913:19P
Jun 1968 275.29 W27MI
Fruit, Insect control, Insect pests, Insecticide application, Insecticides, Mites, Research, Toxicology.

284-69
ETHION A NEW ACARICIDE FOR CONTROL OF RED SPIDER, SCARLET, PINK AND PURPLE MITES.
T D Mukerjea
Tocklai Exp Sta Newslett 14(3):112-122
Sep 1967 68.18 T93
Acaricides, Chemical control (insects), Ethion, Insect eggs, Insect pests, Mites, Plant protection, Tea, Tetranychidae.

285-69
NOTE ON SPHENARCHES ANISODACTYLUS, WKR. DAMAGING BOTTLE GOURD (LAGENERIA LUCANTHA, RUSBY).
H K Patel M S Chari
Andhra Agr J 15(1):25-28
1968 34.2 AN4
Apanteles paludicolae, Insect biology, Insect pests, Lageneria sieeraria, Parasitic insects, Sphenarches anisodactylus.

286-69
AN OUTLINE OF THE BIOLOGY OF HYPSIPYLA ROBUSTA MOORE, THE SHOOT BORER OF THE MELIACEAE (MAHOGANIES) OF NIGERIA, TOGETHER WITH BRIEF COMMENTS OF TWO STEM BORERS AND ONE OTHER LEPIDOPTERAN FRUIT BORER ALSO FOUND IN NIGERIAN MELIACAEA.
H Roberts
Commonwealth Forest Rev 47(133):225-232
Sep 1968 99.8 EM72
Biology, Hypsipyla robusta, Insect pests, Lepidoptera, Plant protection, Trees.

287-69
CURRENT STATUS OF CEREAL LEAF BEETLE CONTROL EFFORTS.
G A Taylor
Northwest Crop Produc Conf Rep 1967 MEETING:8-13
1967 464.9 N813
Grain, Insect control, Oulema melanopus.

288-69
THE INFLUENCE OF THE SOWING TIME ON THE INTESITY OF ATTACK BY THE PANICLE GENERATION OF FRIT FLY (OSCINELLA FRIT L.).
T Tesie
Qualitas Plant Water Veg 15(4):341-349
10 Jul 1968 64.8 M41
Barley, Chemical control (insects), Oscinella frit, Seed germination, Seed planting, Tables (data), Temperature, Weather. German and French summary.

289-69
PHYLLOXERA: SCOURGE OF THE VINEYARD.
J E Unthank
Victorian Hort Dig 12(4,NOV-JAN):2-6
1969 80 V662
Grapes, Insect control, Phylloxera vitifoliae, Plant breeding, Plant injuries, Plant pest resistance, Plant protection.

290-69
EXTERNAL AND INTERNAL SYMPTOMOLOGY ON VITIS FROM PLANT SUCKING INSECTS. (IT)
C Vidano
Turin Univ Fac Sci Agr Raccolta Mem 14(588,1966-1967):117-136, REF
1967 105.4 T842
Grapes, Homoptera, Leaves, Plant injuries. English summary

291-69
A NOTE ON THE CONTROL OF THE SEMI-COOPER, ACHAEA JANATA L., ON CASTOR.
S M Vittal R Saroja
Madras Agr J 55(4):200-202
Apr 1968 22 M262
Achaea janata, Benzene hexachloride, Carbaryl, Carbophenothion, Castorbeans, Chemical control (insects), DDT, Endrin, Imidan, Parathion, Plant protection, Trichlorfon.

292-69
THE METHOD OF TESTING SEED POTATOES BY MEAN OF THE CALLOSE (IGEL-LANGE) TEST. (GE)
H Wenzl
Pflanzenschutzberichte 36(3/4):33-44
Sep 1967 464.9 P48
Callose, Leaf roll, Methodology, Microscopy, Plant disease control, Plant protection, Potatoes, Seed potatoes. English summary

NEMATODES

293-69
THE SUGARBEET NEMATODE. PROBLEMS AND PROGRESS IN ITS CONTROL IN COLORADO.
J Altman
Holly Agr News 16(4,WINTER):14-21
1969 66.8 H72
Crop rotation, Heterodera schaehtii, Plant injuries, Plant nematodes, Plant protection, Planting, Soil fumigation, Sugar beets.

294-69
NEMATODES CAN BE CONTROLLED.
M Anders
Amer Dahlia Soc Bull (SER 40)(2):8-9
Jun 1967 81 AM322
Dahlia, Fumigants, Nematocides, Pest control, Plant nematodes, Plant protection, Soil treatment.

295-69
EELWORMS IN TEA: SOME PROBLEMS.
B Banerjee
Tocklai Exp Sta Newslett 14(2):82-83
Jun 1967 68.18 T93
Cover crops, Pest control, Plant injuries, Plant nematodes, Roots, Soil series, Tea, Zoogeography.

296-69
EELWORM IN TEA: SOME IMPORTANT GROUPS.
S D Basu
Tocklai Exp Sta Newslett 14(2):84-85
Jun 1967 68.18 T93
Biology, Feeding, Nematodes, Taxonomy, Tea.

297-69
THE INCREASED ATTACK OF DITYLENCHUS DIPSACI ON ONION CAUSED BY SOME FUNGICIDES.
M W Brzeski W Macias
Plant Protect Abs 4:193
Sep 1968 241.75 P69
Biochemistry, Ditylenchus dipsaci, Fungicides, Nematodes, Onions. Nematologica, 1967, 13:322.

298-69
RELATIVE EFFICACY OF DIFFERENT OIL-CAKES ON THE INCIDENCE. OF ROOT-KNOT NEMATODES.
S F Hameed
Madras Agr J 55(4):168-169
Apr 1968 22 M262
Chemical control (nematodes), Meloidogyne, Oil meal, Plant nematodes, Plant protection, Root knot, Vegetables.

299-69
APHELENCHOIDES BICAUDATUS, A PARASITE OF CULTIVATED MUSHROOM.
R W McLeod
Nature 214(5093):1163-1164
10 Jun 1967 472 N21
Aphelenchoides, Crop yields, Mushrooms, Nematodes, Parasitism, Research, Soils, Tables (data).

300-69
NEMATODES OF THE NORTHERN GREAT PLAINS.
G Thorne R B Malek
S Dak Agr Exp Sta Tech Bull 31:111P.
Jul 1968 100 SO82 (3)
Chemical control (nematodes), Distribution, Great Plains, Nematodes, Taxonomy.

WEEDS

301-69
CHEMICAL WEED CONTROL.
Anonymous
Com Hort Floristry New Zeal 1(11):298-299 (CONT.)
Jun 1968 SB13.C59
Chemical control (weeds), Herbicides, Leaves, Pesticide application, Plant hardiness, Plant physiology, Plant translocation, Soils, Surface-active agents.

302-69
CHEMICAL CONTROL OF WEEDS IN FIELDS AND IN THE OPEN COUNTRY. (GE
G Baehthaler R Diereks
191P REF MUNICH, BAYERISCHER LANDWIRTSCHAFTSVERLAG
1968 SB613.G3B3
Aquatic weeds, Chemical control (weeds), Crops, Herbicides, Pastures, Soil treatment, Spraying.

303-69
USE OF PETROLEUM OILS AND HERBICIDE MIXTURES TO IMPROVE WEED CONTROL PERFORMANCE.
R Behrens

Northwest Crop Produc Conf Rep 1967 MEETING:73-75
1967 464.9 N813
Chemical control (weeds), Field crops, Herbicides, Mineral oil.

304-69
NEW WEED KILLERS BOOST ORCHARD CONSERVATION.
R P Church
Michigan Farmer 250(10):43
16 Nov 1968 6 M58
Amitrole, Chemical control (weeds), Fruit, Herbicides, Simazine, Spraying.

305-69
WEED CONTROL IN CEREALS.
A D Courtney
Agr North Ireland 42(12):398-401
Apr 1968 256.13 AG82M
Chemical control (weeds), Crop yields, Grain, Harvesting date, Herbicides.

306-69
WEED CONTROL FOR THE HOME GARDEN.
Aquatic Weed Control 8:4P
1968 7 B77P
Flowers, Herbicides, Lawns, Ornamental plants, Pesticide application, Vegetables, Weed control.

307-69
AQUATIC WEED CONTROL.
Aquatic Weed Control 7:8P
1968 7 B77P
Aquatic weeds, Chemical control (weeds), Herbicides, Weed control.

308-69
A FIELD TRIAL WITH PHENOXYBUTYRIC HERBICIDES ON TROPICAL FORAGE LEGUMES.
J Foster P J Terry C J Mosha M A Owen R C Musomi
Arusha Trop Pesticides Res Inst Misc Rep 627,14 P.
Aug 1967 423.92 G7922
Chemical control (weeds), Desmodium, Dichlorophenoxy) butyric acid, 4-(2,4-, Herbicides, Legumes, Methyl-4-chlorophenoxy)butyric acid, 4-(2-.

309-69
A MINIMUM CULTIVATION TRIAL WITH MAIZE USING PARAQUAT HERBICIDE.
J Gordon
Ghana Farmer 12(1):2-5
Feb 1968 24 G564
Chemical control (weeds), Corn, Crop yields, Economics, Herbicides, Paraquat, Plant protection, Tillage.

310-69
EFFECT OF TOPSOIL DEEPENING ON WEED INFESTATION OF FOLLOWING CROPS. (GE)
R Herzog
Albrecht-Thaer-Arch 12(9):839-845 REF
1968 18 AL1
Crop yields, Plowing, Research, Soil horizons, Soil series, Tillage, Weeds. Russian and English summary.

311-69
PROPOSED PROGRAM FOR ACCELERATED WEED CONTROL IN WYOMING.
E M Holst
Holly Agr News 16(4,WINTER):30-31
1969 66.8 H72
Chemical control (weeds), Herbicides, Weed control.

312-69
SAGEBRUSH REINVASION AS AFFECTED BY SOME ENVIRONMENTAL INFLUENCES.
J R Johnson G F Payne
J Range Manage 21(4):209-213 REF
Jul 1968 60.18 J82
Artemisia, Chemical control (weeds), Environment, Research, Soils, Spraying, Topography.

313-69
STUDIES OF THE INFLUENCE OF SOME PREDOMINANT WEEDS ON THE YIELD PATTERN OF SPRING BARLEY. (GE)
G Lincke B Maertin
Albrecht-Thaer-Arch 12(9):847-857
1968 18 AL1
Avena fatua, Barley, Brassica arvensis, Crop yields, Plant physiology, Polygonum convolvulus, Research, Weeds. Russian and English summary.

314-69
INVASION OF GRASSLAND BY BACCHARIS PILULARIS DC.
J McBride H F Heady
J Range Manage 21(2):106-112
Mar 1968 60.18 J82
Baccharis pilularis, Compositae, Integrated control (weeds), Ranges, Shrubs.

Abstract: Remeasurements of early vegetation maps.

315-69
CHEMICAL CONTROL OF PIGWEED. PATENT 3,408,176.
R P Neighbors
Us Patent Office Offic Gaz 855(5):1333
29 Oct 1968 156.65 OF2
Chemical control (weeds), Chemicals, Herbicides, Nitrobenzohydroxamic acid, p-, Patents, Pigweed, Weed control.

316-69
HERBICIDES IN VIETNAM: AAAS BOARD SEEKS FIELD STUDY.
B Nelson
Science 163(3862):58
03 Jan 1969 470 SCI2
Chemical control (weeds), Defoliants, Ecology, Herbicides, Research.

317-69
NEW POSSIBILITIES OF WEED CONTROL IN CHICORY (CICHORIUM INTYBUS). (GE)
H Neururer
Pflanzenarzt 20(5):51-52
01 May 1967 464.9 P482
Chemical control (weeds), Chicory, Chloro-N-isopropylacetanilide,2-, Dacthal, Dosage, Herbicides, CIPC, Semcron, Spraying.

318-69
THE STATE OF WEEDS WHEN APPLYING HERBICIDES AND INSECTICIDES IN CORN FIELDS. (SE)
G Pivar A Skender
Agrohemija (516):227-234
1968 385 AG87
Biochemistry, Chemical control (weeds), Corn, Herbicides, Insecticides, Population, Tables (data), Weeds. English summary.

319-69
THE CHEMICAL CONTROL OF WEEDS IN PINEAPPLE PLANTATIONS. (FR
C Py
Fruits 23(1):3-12
Jan 1968 80 F9492
Ametryne, Chemical control (weeds), Cyperus rotundus, Diuron, Grasses, Herbicides, Pineapples.

320-69
CONTROL OF DALMATIAN TOADFLAX.
W C Robocker
J Range Manage 27(2):94-98
Mar 1968 60.18 J82
Agropyron, Chemical control (weeds), Foliar application, Herbicides, Linaria dalmatica, Picloram, Silvex, Weeds.

Abstract: Satisfactory control with silvex and no injury to perennial grasses.

321-69
WEED BIOLOGY - A FUTURE.
G R Sagar
Neth J Agr Sci 16(3):155-164 REF
1968 12 N3892
Biology, Plant protection, Weed control, Weeds.

322-69
SAINFOIN - A DRYLAND FORAGE CROP FOR MONTANA.
A F Shaw
Northwest Crop Produc Conf Rep 1967 MEETING:44-47
1967 464.9 N813
Environment, Feed, Forage plants, Sainfoin, Weed control.

323-69
ATRAZINE IN OIL IN SOUTH DAKOTA.
J F Stritzke C E Stymiest R Parker L A Derscheid
Northwest Crop Produc Conf Rep 1967 MEETING:76-83
1967 464.9 N813
Atrazine, Chemical control (weeds), Field crops, Herbicides, Mineral oil. Atrazine-oil mixture used.

324-69
A COMPARISON OF POST-EMERGENCE HERBICIDES IN YOUNG LUCERNE.
P J Terry J Foster C J Mosha
Arusha Trop Pesticides Res Inst Misc Rep 626, 8 P.
Aug 1967 423.92 G7922
Alfalfa, Chemical control (weeds), D, 2,4-, Dichlorophenoxy) butyric acid, 4-(2,4-, Dinitrobutylphenol, Herbicides, Methyl-4-chlorophenoxy)butyric acid, 4-(2-. 2,4-DB was used alone and mixed with 2,4-D.

325-69
TREE LINE WEED CONTROL IN GOULBURN VALLEY ORCHARDS.
L A G Van Heek
Victorian Hort Dig 11(2,MAY-JUL):9-11
1967 80 V662
Amitrole, Chemical control (weeds), Dalapon, Diquat, Economics, Herbicides, Orchards, Paraquat, Simazine, Trees.

326-69
WE SQUASHED THE WEEDS.
M Wilbur
Org Gard Farming 15(7):76-77
Jul 1968 57.8 OR32
Biological control (weeds), Cantaloupes, Harvesting, Pumpkins, Seed treatment, Tropical plants, Weeds. This artical is about the authors personal experience.

327-69
A GUIDE TO CHEMICAL WEED CONTROL IN TROPICAL AND SUBTROPICAL FRUIT AND NUT CROPS IN HAWAII.
W Y J Yee R R Romanowski E T Fukunaga
Hawaii Univ Agr Ext Serv Circ 423:10P
Aug 1968 275.29 H312AC
Chemical control (weeds), Fruit, Herbicides, Nuts, Research, Spraying, Weeds.

OTHER PESTS

328-69
SLUGS CAUSE DAMAGE IN OHIO CORNFIELDS.
B D Barry
Ohio Rep Res Develop Biol Agr Home Econ 53(4,JUL-AUG):51-53
1968 100 OH3S (3)
Chemical control (pests), Corn, Crop losses, Plant injuries, Plowing, Slugs, Weather.

329-69
RAT POISON AND INSECTICIDE.
S G Lojo
Sugarcane Farmers Bull 2(1):15
Aug 1965 65.8 SU334
Accident prevention, Baits, Dosage, Insecticides, Poisoning, Rats, Rodent control, Rodenticides, Sodium fluoroacetate.

LIVESTOCK PROTECTION

330-69
DISEASE PREVENTION.
J B R Arbuckle
Pig Farming 16(10):53
Oct 1968 46.8 P623
Animal breeding, Fumigation, Infectious diseases, Preventive medicine, Veterinary medicine.

331-69
GERMINATION BIOLOGY AND THE FIGHT AGAINST THE CHICKENMILLET. (GE)
G Brod
Gesunde Pflanzen 19(3):52-56
464.8 G33
Agricultural research, Biology, Chickens, Echinochloa crusgalli, Herbicides, Millet.

332-69
URINARY CONVERSION PRODUCTS OF INJECTED PROGESTERONE-4-14-C IN THE DOMESTIC FOWL.
P H Chen R H Common
Can J Biochem 47(1):39-45 REF
Jan 1969 470 C16E
Biochemistry, Carbon isotopes, Injections, Metabolism, Poultry, Progesterone, Radioactivity, Urine.

333-69
SCRUB TICK PARALYSIS IN FARM ANIMALS.
S G Knott
Queensland Agr J 94(8):470-474
Aug 1968 23 Q33
Aging, Immunity, Insecticides, Ixodes holocyclus, Livestock, Paralysis, Veterinarians.

334-69
PHARMACEUTICAL GUIDE FOR VETERINARIANS AND STUDENTS OF VETERINARY MEDICINE. (GE)
C Meinecke P Pflegel H Richter
229P LEIPZIG, S. HIRZEL
1967 SF915.M4
Pharmacology, Veterinarians, Veterinary medicine.

335-69
FIRST REPORT OF THE REGULAR LIMNOLOGICAL SURVEY OF LAKE BIWA (OCT. 1965 -DEC. 1966) IV. BEOTHOS.
N Suzuki S Mori
Koto Univ Fac Sci Mem Ser Biol (N S)1(1):78-94
Oct 1967 QH301.K9
Limnology, Reports, Surveys, Time.

336-69
FIRST REPORT OF THE REGULAR LIMNOLOGICAL SURVEY OF LAKE BIWA (OCT. 1965 -DEC. 1966) III. ZOOPLANKTON.
K Yamamoto
Koto Univ Fac Sci Mem Ser Biol (N S)1(1):62-77
Oct 1967 QH301.K9
Aquatic animals, Limnology, Plankton, Reports, Surveys, Time.

337-69
HISTAMINE IN THE COW: PRE- AND POST-PARTURITION HISTAMINE CONCENTRATIONS IN PLASMA, MILK, AND TISSUE.
A Zarkower
Amer J Vet Res 28(127):1751-1755 REF
Nov 1967 41.8 AM3A
Animal physiology, Blood plasma, Cattle, Histamine, Mammary glands, Milk, Parturition, Tissues.

DISEASES

338-69
INTERSTATE TRANSPORTATION OF ANIMALS AND POULTRY. SCABIES IN SHEEP. INTERSTATE MOVEMENT.
R J Anderson
Fed Regist 34(16):1113
24 Jan 1969 L1.451
Animals, Interstate commerce, Legislation, Livestock diseases, Poultry, Scabies, Sheep.

339-69
ANTI-RABIES VACCINATIONS AT THE TOULOUSE UNIVERSITY HOSPITAL CENTER IN 1967. (FR)
G Andrieu
Inst Pasteur Ann 115(2):312-313
Aug 1968 448.3 AN75
Animal vectors, Drug therapy, Human diseases, Immunization, Paralysis, Preventive medicine, Rabies, Vaccines.

340-69
EXPERIMENTAL INFECTION OF CALVES WITH MYXOVIRUS PARAINFLUENZA-3 AND PASTEURELLA HAEMOLYTICA.
D E Baldwin R G Marshall G E Wessman
Amer J Vet Res 28(127):1773-1782 REF
Nov 1967 41.8 AM3A
Antibodies, Calves, Livestock diseases, Parainfluenza-3, Pasteurella haemolytica, Respiratory diseases.

341-69
DURATION OF IMMUNITY DUE TO THE USE OF ANTI HOOF AND MOUTH DISEASE VACCINE PREPARED WITH 10 AND 25 MILLIGRAMS OF SAPONINE PER DOSE. (FR)
O Bayramoglu N Unluleblebici H C Girard
Acad Vet France Bull 41(4):165-168
Apr 1968 41.9 R24
Dosage, Foot-and-mouth disease, Immunity, Livestock diseases, Saponins, Vaccines.

342-69
THE EFFECTIVENESS OF MIXED FEED ENRICHED WITH LYSINE AND METHIONINE WHEN APPLIED FOR CALF BREEDING. (RUS)
J Berzins S Zakharchenko I Zakharchenko
Latv P Sr Zinat Akad Vestis 4(249):87-92 REF
1968 511 R442
Animal nutrition, Breeding, Cattle, Feed, Lysine, Methionine.

343-69
DIAGNOSIS AND PROPHYLAXIS OF INFECTIOUS LARYNGEAL TRACHEITIS OF POULTRY IN THE USSR. (GE)
B F Bessarabow
Monatsh Vet 22(21):869-872 REF
01 Nov 1967 41.8 M742
Animal diseases, Diagnosis, Epidemiology, Infectious diseases, Laryngotracheitis, Poultry, Vaccines. English summary.

344-69
THE PRESENT CLINICAL AND PATHOLOGICAL PICTURE OF CHRONIC ERYSIPELAS INFECTION IN PIGS. III-V. (GE)
W Bisping K H Bohm E Weiland H Wissdorf L C Schulz
Deut Tierarztl Wochensch 75(18):445-456 REF
15 Sep 1968 41.8 D482
Arthritis, Bacterial diseases (animals), Diagnosis, Erysipelothrix insidiosa, Infectious diseases, Listeria monocytogenes, Methylene blue, Scrological tests, Swine erysipelas, Symptomatology. English summary.

345-69
TWO SIDES TO THE VACCINE PICTURE.
P G Box
Poultry Indus 32(4):39,41
Jun 1968 47.8 P8644
Antibiotics, Birds, Immunization, Legislation, Livestock diseases, Newcastle disease vaccines, Poultry industry, Vaccines, Viruses.

346-69
CONTROL BY OVARIAN STATUS OF INDUCED LEUKOCYTIC RESPONSES IN THE SHEEP UTERUS.
T H Brinsfield H W Hawk E C Leffel
Amer J Vet Res 28(127):1723-1725
Nov 1967 41.8 AM3A
Animal physiology, Escherichia coli, Leukocytes, Ovaries, Sheep, Uterus.

347-69
EVALUATION OF BRUCELLA ABORTUS STRAIN 45/20 BACTERINS PREPARED WITH VARIOUS ADJUVANTS.
G M Brown
U S Agr Res Serv ARS- (70):1-8 REF
Dec 1968 A41.9 R315AR
Animal physiology, Bacterial diseases (animals), Bacterins, Brucella abortus, Guinea pigs, Immunization, Immunology, Laboratory animals, Tissues, Virulence.

348-69
A PERPLEXING CASE OF HOG CHOLERA CONFIRMED BY VIRUS ISOLATION AND SUPPORTED BY THE FLUORESCENT ANTIBODY SERUM NEUTRALIZATION TEST.
E A Cabrey W C Stewart E R Seaman W V Rumpler
U S Agr Res Serv ARS- (70):9-10
Dec 1968 A41.9 R315AR
Diagnosis, Erysipelothrix insidiosa, Fluorescent antibody technic, Hog cholera, Livestock diseases, Serum neutralization test, Swine, Virus diseases (animals).

349-69
NEURAL LESIONS IN THE OFFSPRING OF FEMALE RATS FED A COPPERDEFICIENT DIET.
W W Carlton W A Kelly
J Nutr 97(1):42-52 REF
Jan 1969 389.8 J82
Animal nutrition, Copper, Deficiency diseases, Diet, Nerves, Rats.

350-69
DRUGS: HOW DO YOU USE THEM .
L H Carroll
Cattleman 55(6):38,58
Nov 1968 49 C29
Antibiotics, Cattle, Drug therapy, Drugs, Livestock diseases, Preventive medicine, Vaccines.

351-69
HISTOPATHOLOGIC STUDIES OF LUNG CHANGES IN SCRAPIE AND NONSCRAPIE BLOOD LINE SHEEP MAINTAINED IN A SCRAPIE ENVIRONMENT.
D R Cassidy H A McDaniel
U S Agr Res Serv ARS- (70):43-44
Dec 1968 A41.9 R315AR
Animal histology, Blood, Diagnosis, Erysipelothrix insidiosa, Histopathology, Livestock diseases, Lungs, Scrapie, Sheep, Tissues.

352-69
ERYSIPELAS--OUR COSTLIEST PIG DISEASE.
D C Clague
Queensland Agr J 94(8):511-513
Aug 1968 23 Q33
Autopsies, Diagnosis, Erysipelas bacterins, Erysipelothrix insidiosa, Livestock diseases, Swine, Vaccines.

353-69
INHIBITION OF ELECTRON TRANSPORT ENZYMES AND CHOLINESTERASES BY ENDRIN. (ABSTRACT).
H J Colvin A T Phillips
Excerpta Med Pharm Toxicol 21(11):550
Nov 1968 241.64 EX23
Animal physiology, Cholinesterases, Electrons, Endrin, Enzymes, Ictalurus melas, Pesticides. From Bulletin of Environmental Contamination and Toxicology, 1968, 3/2, (146-115).

354-69
STUDIES ON ACUTE MAREK'S DISEASE. VI. BODY TEMPERATURE OF INFECTED CHICKENS.
W M Colwell S C Schmittle
Avian Dis 7(4):716-723
Nov 1968 41.8 AV5
Avian lymphomatosis, Chickens, Livestock diseases, Research, Temperature.

355-69
CONSIDERATIONS ABOUT SOME DISEASES OF FOWL TRANSMITTABLE TO MAN: ASPERGILLOSIS, MONILIASIS, STAPHYLOCOCCOSIS. (FR)
A Devos
Rev Med Vet (toulouse) 119(11):1023-1029 REF
Nov 1968 41.8 R32
Aspergillosis, Human diseases, Infectious discases, Moniliasis, Poultry diseases, Staphylococcus. English, German and Spanish summaries.

356-69
FELINE PANLEUCOPENIA- A SEROLOGICAL STUDY.
L B Fastier
Vet Rec 83(25):653-655
21 Dec 1968 41.8 V641
Animal diseases, Antibodies, Cats, Dosage, Feline infectious enteritis, Immunization, Scrological tests, Vaccines, Virus diseases (animals).

357-69
PRELIMINARY STUDY OF AN ENTEROVIRUS ISOLATED FROM A BALANOPOSTHITE LESION OF CATTLE. (FR)
P Faye A Charton A Berkaloff C Bernard Cl Le Layec
Acad Vet France Bull 41(4):155-159
Apr 1968 41.9 R24
Artificial insemination, Balanoposthitis, Livestock diseases, Reproductive organs, Serological tests.

358-69
APPLICATION OF STRESSES TO FOOT-AND-MOUTH DISEASE VIRUS.
O N Fellows
Amer J Vet Res 28(12):1873-1880 REF
Nov 1967 41.8 AM3A
Biological assay, Foot-and-mouth disease virus, Research, Tissue culture.

359-69
ENDOTOXIN PROPERTIES OF LEPTOSPIRA CANICOLA.
D R Finco D G Low
Amer J Vet Res 28(12):1863-1872 REF
Nov 1967 41.8 AM3A
Animal diseases, Chickens, Culture media, Embryos, Endotoxins, Escherichia coli, Leptospira canicola, Rabbits.

360-69
AIRSACCULITIS RELATION TO MYCOPLASMAS IN TURKEYS FREE OF MYCOPLASMA GALLISEPTICUM.
M L Frey D P Anderson R P Hanson
Avian Dis 7(4):693-699
Nov 1968 41.8 AV5
Air saculitis, Livestock diseases, Mycoplasma, Mycoplasma gallisepticum, Turkeys.

361-69
SOME EFFECTS OF ROUTE OF ADMINISTRATION AND DILUTION ON THE TOXICITY OF CARBON TETRACHLORIDE DRENCHES FOR SHEEP.
C D Gee
Inst Vet Insp New S Wales Vet Insp Annu 31:80-83
1967 41.9 IN73
Biochemistry, Carbon tetrachloride, Drug therapy, Livestock diseases, Sheep.

362-69
ACUTE AND CHRONIC ERYSIPELOTHRIX RHUSIOPATHIAE INFECTION IN RATS: HISTOPATHOLOGICAL EXAMINATION.
H D Geissinger
Zentralbl Vet (SER B)15(4):471-485
Jun 1968 41.8 Z52
Animal diseases, Animal histology, Arteritis, Diagnosis, Erysipelothrix insidiosa, Rats. German, French, Spanish summaries.

363-69
A SEROLOGICAL INQUIRY ABOUT BRUCELLOSIS IN TOULOUSE VETERINARY STUDENTS. (FR)
M F Geral J Lasserre P Saurat R Lautic J Chantal
Rev Med Vet (toulouse) 119(11):1005-1022 REF
Nov 1968 41.8 R32
Antibodies, Brucellosis, Human diseases, Kinetics, Serological tests. English, German and Spanish summaries.

364-69
RESEARCH NOTE: OBSERVATIONS ON IMMUNE FACTORS ASSOCIATED WITH ARIZONA GROUP INFECTIONS IN TURKEYS.
H Gerlach H E Adler A S Rosenwald
Avian Dis 7(4):681-686
Nov 1968 41.8 AV5
Bacteria, Eggs, Immunity, Livestock diseases, Paracolobactrum arizonae, Research, Turkeys.

365-69
MEDICAL OBSERVATIONS CONCERNING ORNITHOSIS CONTROL IN THE POULTRY INDUSTRY. (GE)
H Grahneis
102P REF BERLIN, VOLK uND GESUNDHEIT
1967 SF995.G7
Human diseases, Occupational diseases, Ornithosis, Poultry diseases, Poultry industry, Serological tests, Symptomatology, Veterinary medicine, Virus diseases (animals).

366-69
A FOCAL POINT OF PSEUDORABIES OF DOGS IN THE DEPARTMENT OF AIN. (FR)
J-C Guillon C Chirol A Vallee J-C Cordaillat J-C Beylot
Acad Vet France Bull 41(4):177-179
Apr 1968 41.9 R24
Dogs, Pseudorabies, Symptomatology, Virus diseases (animals).

367-69
A SELECTIVE-DIFFERENTIAL MEDIUM FOR DETECTION OF STREPTOCOCCUS AGALACTIAE.
R K Guthrie K W Brunson J C Stiles
Can J Comp Med Vet Sci 32(1):366-367
Jan 1968 41.8 C162
Animal diseases, Culture media, Dairy cattle, Milk, Streptococcus agalactiae.

368-69
THE ERADICATION OF BOVINE TUBERCULOSIS AND BRUCELLOSIS.
R A Hall
Inst Vet Insp New S Wales Vet Insp Annu 31:21-26
1967 41.9 IN73
Brucellosis, Cattle, Livestock diseases, Tuberculosis.

369-69
SWINE MASTITIS-METRITIS AGALACTIA SYNDRONE.
R E Hall F J Giesler
Hog Prod 4(7):4
Jul 1968 46.8 H675
Agalactia, Animal diseases, Antibiotics, Chemical control (animal diseases), Escherichia coli, Hormones, Mastitis, Metritis, Starvation, Swine, Symptomatology.

370-69
EFFECT OF DIETARY FAT SOURCE ON THE APPARENT DIGESTIBILITY OF FAT AND THE COMPOSITION OF FECAL LIPIDS OF THE YOUNG PIG.
R M G Hamilton B E McDonald
J Nutr 97(1):33-41 REF
Jan 1969 389.8 J82
Animal nutrition, Diet, Digestion, Fats, Feces, Lipids, Swine.

371-69
ORYZOXYMYCIN, A NEW ANTIBIOTIC.
T Hashimoto S Kondo
J Antibiot 21(11):653-658
Nov 1968 396.8 J824
Antibiotics, Oryzoxymycin, Streptomyces, Xanthomonas oryzae. Oryzoxymycin, from Streptomyces, inhibited Xanthomonas.

372-69
EQUINE OVARIAN GRANULOSA TUMOURS.
G J R Hovell S L Hignett
Vet Rec 82(21):607
25 May 1968 41.8 V641
Animal abnormalities, Chorionic gonadotropins, Granulosa cell tumor, Horses, Neoplasms, Ovarian cysts, Teratoma.

373-69
BRUCELLA OVIS INFECTION.
K L Hughes
Inst Vet Insp New S Wales Vet Insp Annu 31:64-67 REF
1967 41.9 IN73
Brucella ovis, Livestock diseases, Sheep.

374-69
CHOLERA ERADICATION PROGRESS REPORT.
Iowa Vet 39(6,NOV-DEC):5-8 REF
1968 41.8 IO9
Agricultural regulation, Hog cholera, Immunization, Livestock diseases, Reports, Swine, Vaccines.

375-69
ATTENUATION OF HOG CHOLERA VIRUS IN THE CARRIER CELL STRAINS ESTABLISHED FROM KIDNEYS OF PIGS EXPERIMENTALLY INFECTED WITH THE VIRULENT VIRUS.
H Izawa M Soekawa
Amer J Vet Res 28(127):1661-1669
Nov 1967 41.8 AM3A
Animal diseases, Disease transmission, Hog cholera virus, Kidneys, Swine, Tissue culture, Viruses.

376-69
STUDIES ON THE EPIDEMIOLOGY OF VESICULAR STOMATITIS VIRUS.
E W Jenney C L Brown
U S Agr Res Serv ARS- (70):35-40 REF
Dec 1968 A41.9 R315AR
Arthropoda, Diagnosis, Epidemiology, Insect vectors, Livestock diseases, Serological tests, Vesicular stomatitis virus, Virus diseases (animals).

377-69
THE PRACTICE OF THE PRESENT DIAGNOSTIC OF RABIES. (FR)
L Joubert M Lombard
Rev Med Vet (toulouse) 119(11):1041-1056
Nov 1968 41.8 R32
Autopsies, Diagnosis, Fluorescence, Immunofluorescence, Rabies, Virus diseases (animals). English, German and Spanish summaries.

378-69
CONCENTRATION OF CERTAIN MYXOVIRUSES WITH POLYETHYLENE GLYCOL.
A D Kanarek G W Tribe
Nature 214(5091):927-928
27 May 1967 472 N21
Assay, Chromatography, Hemagglutination, Microbiology, Myxoviruses, Polyethylene glycol, Tables (data), Virus diseases (animals).

379-69
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES DECOQUINATE AND PROCAINE PENICILLIN.
J K Kirk
Fed Regist 34(14):946
22 Jan 1969 L1.451
Chemical control (animal diseases), Chickens, Coccidiosis, Decoquinate, Feed, Food additives, Legislation, Penicillin, Procaine.

380-69
TRICHINOSIS AND SARCOSPORIDIOSIS IN A PUMA.
J P Kluge
Wildlife Dis Ass Bull 3(3):110-111
Jul 1967 41.9 W64B

Cytoplasm, Dict, Felis concolor, Histology, Reports, Research, Sarcosporidiosis, Trichinella spiralis.

381-69
IF VACCINES GO - WILL HOG CHOLERA FOLLOW .
C R Koch
Farm Quart 23(6,WINTER):78-79,97-98, 100
1969 6 F22995
Hog cholera, Hog cholera vaccines, Swine, Virus diseases (animals).

382-69
CARD BRUCELLOSIS TEST... SWINE.
V D Ladwig
Iowa Vet 39(6,NOV-DEC):9-11,14
1968 41.8 IO9
Agricultural regulation, Brucellosis, Diagnosis, Livestock diseases, Swine.

383-69
ANTI-RABIES VACCINATIONS AT THE MONTPELLIER CENTER IN 1967. (FR)
G Lanotte
Inst Pasteur Ann 115(2):310-311
Aug 1968 448.3 AN75
Animal vectors, Drug therapy, Human diseases, Immunization, Paralysis, Preventive medicine, Rabies, Vaccines.

384-69
ANTI-RABIES VACCINATIONS AT THE PASTEUR INSTIUTE OF LYON IN 1967. (FR)
F Lebeuf
Inst Pasteur Ann 115(2):305-307
Aug 1968 448.3 AN75
Animal vectors, Drug therapy, Human diseases, Immunization, Paralysis, Preventive medicine, Rabies, Vaccines.

385-69
SUSCEPTIBILITY OF EMBRYONIC SWINE SPLEEN AND SWINE KIDNEY CELL LINES TO HOG CHOLERA VIRUS.
L R Lee E A Carbrey W C Stewart J I Dresse
U S Agr Res Serv ARS- (70):22-23
Dec 1968 A41.9 R315AR
Cells, Embryos, Hog cholera virus, Kidneys, Livestock diseases, Spleen, Susceptibility, Swine, Virus diseases (animals).

386-69
ISOLATION AND CHARACTERIZATION OF A PORCINE ENTEROVIRUS.
L R Lee W C Stewart J I Kresse E A Carbrey
U S Agr Res Serv ARS- (70):13-18
Dec 1968 A41.9 R315AR
Diagnosis, Enteroviruses, Hog cholera, Livestock diseases, Swine, Tissue culture, Virus diseases (animals).

387-69
ANTI-RABIES VACCINATIONS AT THE PASTEUR INSTITUTE IN 1967. (FR
P Lepine P Atanasiu A Famet J F Vieu Ch Vialat
Inst Pasteur Ann 115(2):297-304
Aug 1968 448.3 AN75
Animal vectors, Drug therapy, Human diseases, Immunization, Preventive medicine, Rabies, Vaccines.

388-69
TUBERCULOSIS IN THE PIG AND THE TUBERCULIN TEST.
I W Lesslie K J Birn P Stuart P A F O'Neill J Smith
Vet Rec 83(25):647-651 REF
21 Dec 1968 41.8 V641
Dosage, Livestock diseases, Mycobacterium avium, Mycobacterium bovis, Mycobacterium tuberculosis, Swine, Tuberculin, Tuberculin test, Tuberculosis.

389-69
THE OCCURRENCE OF STREPTOCOCCI OF VARIOUS SEROLOGICAL GROUPS AS THE CAUSE OF MASTITIS WITH SPECIAL CONSIDERATION OF GROUP L. (GE)
P Lorenzen
Arch Lebensmittelhyg 19(3):57-60
Mar 1968 41.8 L49
Food sanitation, Human nutrition, Livestock diseases, Mastitis, Milk analysis, Serological tests, Streptococcus, Streptococcus agalactiae.

390-69
EPIZOOTIOLOGY OF BLUETONGUE. ABSTRACT.
A J Luedke
Wildlife Dis Ass Bull 3(3):119
Jul 1967 41.9 W64B
Bluetongue virus, Epizootic diseases, Immunology, Infectious diseases, Research, Ruminants. Abstract from Wildlife Disease Conference in Illinois

391-69
CHARACTERISATION AND FRACTIONISATION OF VARIOUS STRAINS OF TESCHEN VIRUS BY COLUMN CHROMATOGRAPHY AND ELECTROPHORESIS. (GE
W Matthaeus
Zentralbl Vet (SER B)15(4):443-452 REF
Jun 1968 41.8 Z52
Autoradiography, Chromatography, Electrophoresis, Swine, Teschen disease virus, Tissue culture, Virus diseases (animals). English, French, Spanish summaries. the strains of Teschen virus were Konratice and Tyrol.

392-69
A FILTERABLE, PROLIFERATING FACTOR SIMULATING AUTOIMMUNITY IN MALARIOUS AND NONMALARIOUS DUCKLINGS.
R B McGhee W E Loftis
Exp Parasitol 22(3):299-308 REF
Jun 1968 436.8 EX7
Anemia, Ducklings, Immunity, Malaria, Plasmodium lophurae.

393-69
EVALUATION OF THE FLUORESCENT ANTIBODY-CELL CULTURE TESTS FOR HOG CHOLERA DIAGNOSIS.
W L Mengeling J P Torrey
Amer J Vet Res 28(127):1653-1659 REF
Nov 1967 41.8 AM3A
Animal diseases, Blood tests, Fluorescent antibody technic, Hog cholera, Hog cholera virus, Spleen, Swine, Tissue culture.

394-69
HEREDITY AND DISEASE IN DOMESTIC ANIMALS. (GE)
H Meyer
158P REF HANNOVER, M. AND HI SCHAPER
1968 SF758.M4
Animal diseases, Animal genetics, Genes, Hereditary diseases, Immunity, Livestock.

395-69
AN OUTBREAK OF DUCK VIRUS ENTERITIS (DUCK PLAGUE) IN THE UNITED STATES.
R L Muhm
U S Agr Res Serv ARS- (70):29-32
Dec 1968 A41.9 R315AR
Ducks, Enteritis, Epidemiology, Virus diseases (animals).

396-69
EXPERIMENTAL DATA ON THE PATHOGENESIS OF EDEMA DISEASE OF SWINE. CLINICAL PICTURE, GROSS AND MICROSCOPIC LESIONS RELATED TO ENDOTOXIN SHOCK.
Z Nagy I Berczi L Bertok
Zentralbl Vet (SER B)15(4):504-511 REF
Jun 1968 41.8 Z52
Diagnosis, Edema disease, Endotoxins, Escherichia coli, Lipopolysaccharides, Livestock diseases, Research, Shock, Swine. German, French, Spanish summaries.

397-69
NUTRIENT REQUIREMENTS OF POULTRY.
Nat Res Counc Comm Anim Nutr Nutr Requir Dom Anim (1):28P REF
1966 389.7 N2122
Animal nutrition, Chickens, Deficiency diseases, Feed, Minerals, Poultry, Symptomatology, Turkeys, Vitamins.

398-69
NUTRIENT REQUIREMENTS OF DAIRY CATTLE.
Nat Res Counc Comm Anim Nutr Nutr Requir Dom Anim (3):38P REF
1966 389.7 N2122
Animal nutrition, Antibiotics, Dairy cattle, Deficiency diseases, Energy, Feed, Minerals, Proteins, Urea, Vitamins, Water.

399-69
NUTRIENT REQUIREMENTS OF HORSES.
Nat Res Counc Comm Anim Nutr Nutr Requir Dom Anim (6):1-22 REF
1966 389.7 N2122
Animal nutrition, Animal physiology, Feeds, Horses, Minerals, Proteins, Vitamins.

400-69
REPORT OF THE COMMITTEE ON NOMENCLATURE AND REPORTING OF DISEASE, NORTHWESTERN CONFERENCE ON AVIAN DISEASES, JUNE 1968.
Avian Dis 7(4):730-736
Nov 1968 41.8 AV5
Livestock diseases, Nomenclature, Poultry, Reports.

401-69
STUDIES ON PREVENTION OF MINK-DISTEMPER. (JA)
S Ohkuma Y Fukuda T Shimamura T Saito
Tokyo Soc Vet Zootech Sci J (14/15):54-57
Dec 1965 41.9 T574
Animal diseases, Canine distemper, Minks.

402-69
BREAST BLISTERS IN TURKEYS.
R T Parry
Poultry Rev 8(2):23-29 REF
Sep 1968 47.8 P8699
Agricultural industries, Bacteria, Bacterial diseases (birds), Economics, Keel cysts, Microorganisms, Poultry diseases, Turkeys.

403-69
MODIFICATIONS OF THE NATURAL RESISTANCE TO INFECTION OF MICE TREATED BY SEVERAL HISTONE FRACTIONS. (FR)
M Pelletier A Delaunay
Inst Pasteur Ann 115(2):249-263 REF
Aug 1968 448.3 AN75
Dosage, Histones, Injections, Mice, Salmonella typhimurium. English summary.

404-69
THE INACTIVATION EFFECT OF BETA-PROPIOLACTONE ON THE VIRUS OR THE CLASSICAL FOWL PLAGUE. (CZ)
R Polony J Vrtiak
Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 13(1):31-36 REF
Jan 1968 41.9 C333
Chemical control (animal diseases), Drug therapy, Fowl plague virus, Hydracrylic acid beta-lactone, Temperature, Vaccines, Virus diseases (animals). English, German, and Russian summaries.

405-69
TONSILLAR CARCINOMA IN RURAL DOGS.
W L Ragland Gorham
Nature 214(5091):925-926
27 May 1967 472 N21
Air pollution, Animal diseases, Carcinoma, Dogs, Neoplasms, Rural population, Tonsils.

406-69
BOVINE OSTERTAGIOSIS. ANALYTICAL BIBLIOGRAPHIC REVIEW OF THE DISEASE, ITS TREATMENT AND ITS PROPHYLAXIS. (FR)

J P Raynaud
Rec Med Vet 144(8):743-769 REF
Aug 1968 41.8 R24
Animal diseases, Bibliography, Cattle, Diagnosis, Disease control, Drugs, Ecology, Etiology, Fascioliasis, Nematodes, Ostertagia ostertagi, Ostertagiasis, Pastures, Symptomatology. English and Spanish summaries.

407-69
CONTRIBUTION TO THE STUDY OF THE PROTECTION OF DOMESTIC RABBIT AGAINST TOTAL IRRADIATION BY GAMMA RADIATION. (FR)
A G Rico G Lorgue
Rev Med Vet (toulouse) 119(11):1031-1040
Nov 1968 41.8 R32
Deoxyribonucleic acid, Gamma rays, Irradiation, Rabbits, Research, X-rays. English, German and Spanish summaries.

408-69
THE USE OF BRUCELLA WHEY COMPLEMENT FIXATION TEST IN A HERD OUTBREAK.
L Robertson I D Farrell
Vet Rec 83(25):643-646
21 Dec 1968 41.8 V641
Agglutination test, Antibodies, Brucella abortus, Cattle, Complement fixation, Livestock diseases, Milk analysis, Udders, Vaccines.

409-69
PREVENTION, DIAGNOSIS AND TREATMENT OF DISEASE.
J D Russell F L Adams
Amer Fur Breeder 14(3):143-171
Dec 1968 410 AM33
Animal diseases, Diagnosis, Disease control, Drug therapy, Minks. Many specific diseases were listed including the symtoms, causes, and treatments.

410-69
PATHOGENESIS OF THE ROUND HEART SYNDROME IN TURKEYS.
J H Sautter J A Newman S H Kleven C T Larsen
Avian Dis 7(4):614-628 REF
Nov 1968 41.8 AV5
Heart, Livestock diseases, Round heart disease, Turkeys.

411-69
CHARACTERIZATION OF AGGLUTININS OF CATTLE SERUM AGAINST BRUCELLA ABORTUS.
D Schimmel W Erler
Amer J Vet Res 28(12):1919-1920
Nov 1967 41.8 AM3A
Blood serum, Brucella abortus, Cattle, Serological tests.

412-69
STUDIES ON ACUTE MAREK'S DISEASE. IV. RELATIVE SUSCEPTIBILITY OF DIFFERENT LINES AND CROSSES OF CHICKENS TO GA ISOLATE.
S C Schmittle C S Eidson
Avian Dis 7(4):571-576 REF
Nov 1968 41.8 AV5
Avian lymphomatosis, Breeding, Chickens, Immunity, Livestock diseases, Research.

413-69
AN OUTBREAK OF RABIES IN SWINE.
K C Sherman D C Gigstad H A McDaniel
U S Agr Res Serv ARS- (70):53-54
Dec 1968 A41.9 R315AR
Animal histology, Diagnosis, Encephalitis, Epidemiology, Fluorescent antibody technic, Livestock diseases, Rabies, Swine.

414-69
A NEW TYPE IN EXPERIMENTAL INTRAPERITONEAL INFECTION OF STAPHYLOCOCCI IN MICE.
T. Shimizu Y Ito S Shibata
Tokyo Nat Inst Anim Health Quart 8(1):8-15 SPRING, REF
1968 41.9 T575Q
Animal diseases, Coagulase, Immunization, Mice, Peritoneum, Staphylococcus.

415-69
TICK FEVER IN POULTRY.
I P Singh
Com Hort Floristry 4(3):23-24
Jan 1968 S19.P7
Blood parasites, Borrelia anserina, DDT, Insect control, Ixodides, Malathion, Microscopy, Penicillin, Piroplasmosis, Poultry, Poultry diseases, Symptomatology, Vaccines.

416-69
MASTITIS PREVENTION AND CONTROL.
R P Singh
Gosamvardhana 16(5):31
Aug 1968 43.8 G69
Bacteria, Cattle, Chemical control (animal diseases), Fungi, Livestock diseases, Mammary glands, Mastitis, Milk analysis, Yeasts.

417-69
ANTI-RABIES VACCINATIONS AT THE MARSILLE PASTEUR CENTER IN 1967. (FR)
J Sivan
Inst Pasteur Ann 115(2):308-309
Aug 1968 448.3 AN75
Animal vectors, Drug therapy, Human diseases, Immunization, Paralysis, Preventive medicine, Rabies, Vaccines.

418-69
COMPARATIVE STUDY OF THE PATHOGENIC AND IMMUNOGENIC POWER OF A NEW ACAPSULOGENIC STRAIN OF BACILLUS ANTHRACIS (IHTIMAN STRAIN). (FR)
R S Slavtchev
Inst Pasteur Tunis Arch 44(4):383-390
Dec 1967 448.3 IN72
Animal diseases, Bacillus anthracis, Immunology, Laboratory animals.

419-69
ISOLATION OF RABIES VIRUS FROM FRUIT BATS IN THAILAND.
P C Smith K Lawhasnasdi W E Vick J S Stanton
Nature 216(5113):384
28 Oct 1968 472 N21
Animal vectors, Bats, Brain, Fluorescent antibody technic, Injections, Mice, Rabies virus, Research, Salivary glands, Virus diseases (animals).

420-69
BLOOD CHEMICAL AND CELLULAR CHANGES IN CANINE DIROFILARIASIS.
J W Snyder S K Liu R J Tashjian
Amer J Vet Res 28(127):1705-1710
Nov 1967 41.8 AM3A
Alpha globulins, Blood chemistry, Blood composition, Dirofilariasis, Dogs, Gamma globulins, Serum albumin.

421-69
DISEASE REPORTS OF THE SOUTHERN CONFERENCE ON AVIAN DISEASES (SCAD) 1967.
Avian Dis 7(4):737-754
Nov 1968 41.8 AV5
Livestock diseases, Poultry, Reports.

422-69
DIFFERENTIATION OF MYCOBACTERIA ISOLATED FROM DOMESTIC ANIMALS. (GE)
H Stenberg A Turunen
Zentralbl Vet (SER B)15(4):494-503 REF
Jun 1968 41.8 Z52
Diagnosis, Livestock diseases, Mycobacterium, Tuberculosis. English, French, Spanish summaries.

423-69
STUDIES ON THE CHROMATIN ISOLATED FROM THE ORGANS OF ANIMALS RECEIVED WHOLE-BODY X-RAY IRRADIATION.
H Su Nam
Seoul Univ J Biol Agr Ser (b) (SER B)18:118-127 REF
Sep 1967 442.9 SO84
Animals, Biochemistry, Chromatin, Deoxyribonucleic acid, Proteins, Viscera, X-rays. Chinese summary

424-69
EFFECT OF DIFFERENT PATTERNS OF EXCESS AMINO ACIDS ON PERFORMANCE OF CHICKS FED AMINO ACID-DEFICIENT DIETS.
M Sugahara D H Baker H M Scott
J Nutr 97(1):29-32
Jan 1969 389.8 J82
Amino acids, Animal nutrition, Chickens, Deficiency diseases, Diet.

425-69
THE EFFECTS OF VARIOUS DRUGS ON EXPERIMENTAL CHICKEN COCCIDIOSIS. (JA)
M Taniguchi K Nomata
Tokyo Soc Vet Zootech Sci J (14/15):58-68 REF
Dec 1965 41.9 T574
Chickens, Coccidiosis, Drug therapy, Poultry diseases.

426-69
EFFECTIVENESS OF ANTIBACTERIALS INFUSED INTO THE PROXIMAL COLON ON THE PIG.
H S Teague A P Grifo R L Harrold D R Redman
J Anim Sci 28(1):13-17
Jan 1969 49 J82
Antibiotics, Bacteria, Colon, Dosage, Drug therapy, Research, Swine.

427-69
INFLUENCE OF MICROORGANISMS ON INTESTINAL ABSORPTION: OLEIC ACID 131I AND TRIOLEIN 131I ABSORPTION BY GERM-FREE AND CONVENTIONALIZED RATS.
B Tennant M Reina-Guerra D Harrold M Goldman
J Nutr 97(1):65-69 REF
Jan 1969 389.8 J82
Absorption, Animal physiology, Germ-free life, Intestines, Microorganisms, Oleic acid, Rats, Triolein.

428-69
EXPERIMENTAL BLUETONGUE DISEASE IN WHITE-TAILED DEER. ABSTRACT.
D O Trainer R A Vosdingh B C Easterday
Wildlife Dis Ass Bull 3(3):120
Jul 1967 41.9 W64B
Bluetongue virus, Deer, Infectious diseases, Mortality, Research. Abstract from Wildlife Disease Conference in Illinois

429-69
INDIRECT COMPLEMENT FIXATION IN FOOT-AND-MOUTH DISEASE. I. STUDY OF ANTIBODY RESPONSE IN EXPERIMENTAL CATTLE AND SHEEP. II. SCREENING OF CATTLE SERUM.
E Traub M Hessami A Shafyi
Zentralbl Vet (SER B)15(4):421-442 REF
Jun 1968 41.8 Z52
Antibodies, Cattle, Complement fixation, Foot-and-mouth disease, Immunization, Livestock diseases, Serum, Sheep, Tissue culture, Virus diseases (animals). German, French, Spanish summaries.

430-69
THE HISTORY OF INVESTIGATION OF TUMORS IN ANIMALS. (GE)
H Trebbin
Deut Tierarztl Wochensch 75(18):463-464 REF
15 Sep 1968 41.8 D482
Animal diseases, Cancer, History, Human diseases, Neoplasms. English summary.

431-69
EXPERIMENTAL BLUETONGUE DISEASE IN WHITE-TAILED DEER.
R A Vosdingh D O Trainer B C Easterday
Can J Comp Med Vet Sci 32(1):382-387 REF
Jan 1968 41.8 C162
Bluetongue, Deer, Research, Virus diseases (animals).

432-69
PINKEYE IN CATTLE.
C E J Walker
Inst Vet Insp New S Wales Vet Insp Annu 31:28-29
1967 41.9 IN73
Cattle, Eyes, Infectious keratitis, Livestock diseases.

433-69
PENETRATION PATTERNS OF MYCOPLASMA GALLISEPTICUM AND NEWCASTLE DISEASE VIRUS THROUGH THE OUTER STRUCTURES OF CHICKEN EGGS.
J E Williams L H Dillard
Avian Dis 7(4):650-657 REF
Nov 1968 41.8 AV5
Chickens, Eggs, Mycoplasma gallisepticum, Newcastle disease virus, Virus diseases (animals).

434-69
CYTOCHROME C AND EVOLUTION.
T Yamanaka
Nature 213(5082):1183-1186 REF
25 Mar 1967 472 N21
Bacillus subtilis, Biochemistry, Cattle, Cytochrome oxidase, Pseudomonas aeruginosa.

ARTHROPODS

435-69
GET RID OF GRUBS IN A HURRY.
B Fichte
Cattleman 55(6):112-114
Nov 1968 49 C29
Blood tests, Chemical control (insects), Grubs, Hides, Insect pests, Insecticides, Livestock, Pest control.

436-69
TRYPANOSOMA GLABRA N. SP., PARASITE OF MEXICAN FROGS. MORPHOLOGY AND CYCLE IN THE VERTEBRATE. (SP)
R Perez-Reyes
Rev Latinoamer Microbiol Parasitol 10(2, APR-JUN):79-84
1968 448.8 R32
Culex pipiens quinquefasciatus, Frogs, Insect vectors, Trypanosoma glabra. English summary.

437-69
LANJAN VIRUS, A NEW AGENT ISOLATED FROM DERMACENTOR AURATUS IN MALAYA.
C E G Smith D A McMahon E T W Bowen
Nature 214(5093):1154-1155
10 Jun 1967 472 N21
Antigens, Chromatography, Dermacentor, Injections, Insect vectors, Lanjan virus, Parasitic insects, Virus diseases (animals), Zoogeography.

438-69
TICK-BORNE DISEASES OF CATTLE IN TRINIDAD.
H E Williams
Agr Soc Trinidad Tobago J 68(2):149-151,153-155,157-158
Jun 1968 8 T73
Anaplasmosis, Cattle, Fever, Insect vectors, Ixodides, Livestock diseases, Piroplasmosis, Symptomatology.

PARASITES

439-69
STRAIN VARIATION IN THE RESPONSE OF HAEMONCHUS CONTORTUS IN SHEEP AND GOATS GIVEN PHENOTHIAZINE: EFFICACY OF N.F. AND PURIFIED PRODUCTS ON PURE PARASITIC INFECTIONS.
M L Colglazier F D Enzie R P Lehmann
Amer J Vet Res 28(127):1711-1722 REF
Nov 1967 41.8 AM3A
Goats, Haemonchus contortus, Parasitism, Phenothiazine, Sheep.

440-69
HYOSTRONGYLUS RUBIDUS: A FIELD STUDY OF ITS PATHOGENESIS, DIAGNOSIS AND TREATMENT.
J B Davidson M Murray I H Sutherland
Vet Rec 83(23):582-587
07 Dec 1968 41.8 V641
Diagnosis, Drug therapy, Helminthiasis, Hyostrongylus rubidus, Livestock diseases, Oesophagostomum, Parasitism, Swine, Thiazolyl)-benzimidizole, 2-(4-.

441-69
DIAGNOSTIC STATION NEAR DUNEDIN IS NEW ZEALAND'S WATCHDOG AGAINST DISEASE.
B G Joyce
New Zeal J Agr 117(4):100-101,103
Oct 1968 23 N48J
Animal diseases, Cestoda, Diagnosis, Dogs, Echinococcosis, Economics, Formaldehyde, Parasitic nematodes.

442-69
CERTAIN METAL SALT COMPLEXES USEFUL FOR CONTROLLING HELMINTHS AND IMPROVING GROWTH IN ANIMALS. PATENT 3,408,444.
R L Klingbail
Us Patent Office Offic Gaz 855(5):1379
29 Oct 1968 156.65 OF2
Animal physiology, Anthelmintics, Chemical control (pests), Chemicals, Metals, Parasitism, Patents, Salts.

443-69
DIAGNOSIS AND TREATMENT OF CHRONIC SALMONELLA TYPHIMURIUM INFECTION IN SOWS.
P J Larkin M Hicks
Vet Rec 81(10):231-234
02 Sep 1967 41.8 V641
Ampicillin, Bacterial vaccines, Livestock diseases, Salmonella typhimurium, Swine.

444-69
CONTROL OF INTERNAL PARASITES OF SWINE AND SHEEP WITH DIMETHYL 2,2-DICHLOROVINYL PHOSPHATE. PATENT 3,408,443.
S H McAllister
Us Patent Office Offic Gaz 855(5):1379
29 Oct 1968 156.65 OF2
Chemical control (pests), Dichlorvos, Parasitism, Patents, Phosphates, Sheep, Swine.

445-69
GAINS FROM WORM DRENCHING EWE HOGGETS IN SOUTH CANTERBURY.
C C McLeod
New Zeal J Agr 117(4):92-93,95
Oct 1968 23 N48J
Animal physiology, Chemical control (nematodes), Dosage, Economics, Parasitism, Productivity, Sheep, Tables (data), Thiazolyl)-benzimidizole, 2-(4-, Wool.

446-69
AGRICULTURAL CONTROL MEASURES AGAINST INTESTINAL PARASITES IN CATTLE.
D Oostendorp H E Harmsen
Neth J Agr Sci 16(3):177-185 REF
1968 12 N3892
Agriculture, Cattle, Drug therapy, Intestines, Nematodes, Parasitism.

447-69
THE INCIDENCE OF DISEASE RESULTING FROM INFECTION WITH HAEMONCHUS CONTORTUS IN SHEEP SENT TO THE VETERINARY INVESTIGATION CENTRES IN ENGLAND AND WALES FROM 1965 TO 1967.
J H Rose
Vet Rec 83(23):578-581 REF
07 Dec 1968 41.8 V641
Gastroenteritis, Haemonchus contortus, Livestock diseases, Nematodes, Parasitism, Sheep, Surveys.

448-69
THE LIFE SPAN OF FASCIOLA HEPATICA IN CATTLE.
J G Ross
Vet Rec 82(21):587
25 May 1968 41.8 V641
Cattle, Fasciola hepatica, Fascioliasis, Liver diseases, Longevity, Parasitism, Trematoda.

449-69
ANTHELMINTIC EFFECT OF SALICYLANILIDE PREPARATION ON COMMON LIVER FLUKES. (JA)
M Taniguchi et. al.
Tokyo Soc Vet Zootech Sci J (14/15):69-75 REF
Dec 1965 41.9 T574
Anthelmintics, Liver, Salicylanilides.

450-69
STUDIES ON VIBRIONIC INFECTION OF SHEEP AND CARRION CROWS.
W A Watson D Hunter R Bellhouse
Vet Rec 81(10):220-226 REF
02 Sep 1967 41.8 V641
Abortion, Crows, Livestock diseases, Serological tests, Sheep, Veterinary medicine, Vibrio fetus bacterins.

COMMODITY PROTECTION

451-69
FLUORODENSITOMETRIC MEASUREMENT OF AFLATOXIN THIN LAYER CHROMATOGRAMS.
A C Beckwith L Stoloff
Ass Offic Anal Chem J 51(3):602-608 REF
May 1968 381 AS7
Aflatoxin, Chemistry, Chromatography, Fluorometry, Food contamination, Measurement.

452-69
FLY AND ECONOMIC EVALUATION OF URBAN REFUSE SYSTEMS. PART II.AN EFFICIENCY ANALYSIS OF PAPER BAG CONTAINERS.
P A Rogers G J Bellenger
Calif Vector Views 14(5):29-36
May 1967 449.8 C12
Costs, Economics, Paper containers, Pest control, Refuse disposal.

453-69
STAINING TECHNIQUE TO DIFFERENTIATE INSECT FRAGMENTS, BIRD FEATHERS, AND RODENT HAIRS FROM PLANT TISSUE.
R Stein W V Eisenberg P M Jr. Brickey
Ass Offic Anal Chem J 51(3):513-518
May 1968 381 AS7
Birds, Chemistry, Feathers, Food sanitation, Foreign bodies, Hair, Insects, Rodents, Tissues.

STORAGE DISEASES

454-69
EFFECT OF WARMING CYCLES DURING STORAGE ON THE BEHAVIOR OF JONATHAN AND GRANNY SMITH APPLES IN COOL STORAGES.
E T Carroll
Plant Protect Abs 4:196
Sep 1968 241.75 P69
Apples, Storage, Storage diseases, Temperature. Queensland Journal of Agricultural and Animal Science, 24(1):49-58, 1967.

MICROBIAL CONTAMINATION

455-69
COLLABORATIVE STUDY OF A QUANTITATIVE METHOD FOR CLOSTRIDIUM PERFRINGENS IN FOODS.
H E Hall
Ass Offic Anal Chem J 51(6):1338-1341
Nov 1968 381 AS7
Clostridium perfringens, Food contamination, Microbiology.

456-69
SURVEY OF GREEN COFFEE FOR POTENTIAL AFLATOXIN CONTAMINATION.
C P Levi E Borker
Ass Offic Anal Chem J 51(3):600-602
May 1968 381 AS7
Aflatoxin, Coffee, Food contamination, Surveys.

457-69
FALSE-POSITIVE COAGULASE REACTIONS IN THE CHARACTERIZATION OF MICROORGANISMS ISOLATED FROM FOODS.
C J Litkenhous E F Baer M M Gilden M B Bromer
Ass Offic Anal Chem J 51(1):1-3
Jan 1968 381 AS7
Coagulase, Ethylenediaminetetraacetic acid, Food analysis, Heparin, Microbiology, Rabbits, Staphylococcus aureus, Storage diseases.

458-69
ANALYSIS FOR AFLATOXIN M IN MILK.
M S Masri J R Page V C Garcia
Ass Offic Anal Chem J 51(3):594-600 REF
May 1968 381 AS7
Aflatoxin, Food contamination, Milk, Toxicology.

459-69
RETAILING OF BARBECUED CHICKENS: A CANADIAN SURVEY.
H Pivnick I E Erdman G Micklea D Connolly A Loit R Hill A Mak
Can J Public Health 59(10):380-384 REF
Oct 1968 449.8 **P964**
Chickens, Clostridium perfringens, Food contamination, Retail marketing, Salmonella, Surveys.

460-69
SOLID STATE FLUORESCENCE EMISSION OF AFLATOXINS ON SILICA GEL.
J A Robert W A Jr. Pons
Ass Offic Anal Chem J 51(6):1190-1192
Nov 1968 381 AS7
Aflatoxin, Fluorescence, Food contamination, Microbiology, Silica gels.

461-69
IMMUNOFLUORESCENT SCREENING FOR SALMONELLA IN FOODS: COMPARISON WITH CULTURE METHODS.
S J Schulte J S Witzeman W M Hall
Ass Offic Anal Chem J 51(6):1334-1338 REF
Nov 1968 381 AS7
Fluorescent antibody technic, Food contamination, Immunochemistry, Salmonella.

462-69
NOTE ON ANALYSIS OF AFLATOXINS IN GREEN COFFEE.
P M Scott
Ass Offic Anal Chem J 51(3):609
May 1968 381 AS7
Aflatoxin, Chemistry, Coffee, Food contamination.

463-69
RETAILING OF BARBECUED CHICKENS: A SURVEY IN BRITISH COLUMBIA.
R G Scott
Can J Public Health 59(10):385-388
Oct 1968 449.8 P964
Chickens, Food contamination, Gastroenteritis, Human diseases, Retail markcting, Salmonella typhimurium, Surveys.

464-69
NOTE ON THE SIMULTANEOUS USE OF POLYVALENT H AND SPICER-EDWARDS H ANTISERA AS A PRELIMINARY STEP IN THE IDENTIFICATION OF SALMONELLAE.
T J Wazenski K J Rhodes E C Robinson
Ass Offic Anal Chem J 51(3):718-719
May 1968 381 AS7
Food contamination, Salmonella, Serological tests.

ENVIRONMENTAL CONTAMINATION

465-69
POLLUTION COSTS MONEY.
Engineering 206(5352):708
15 Nov 1968 290.8 EN322
Air pollution, Economics, Environment, Equipment, Industrial management, Legislation, Waste, Water pollution.

466-69
DEFENSE POSSIBILITIES OF SOCIETY AGAINST POLLUTION OF FOOD AND ENVIRONMENT. (FR)
E G Peters
Vitalst- Zivilisationskrankheiten 13(1):14-15
Feb 1968 389.8 V836
Air pollution, Environment, Food contamination, Legislation, Radioactivity, Tobacco, Water pollution. This is a continuation of an article from no. 6, 1967 and will be continued in no. 2, 1968.

467-69
OBJECTIVES AND ROLE OF THE WATER POLLUTION CONTROL ADMINISTRATION ON WATER QUALITY STANDARDS.
H C Ray
Soil Conserv Soc Amer Proc 22:185-186
13 Aug 1967 56.9 SO33P
Legislation, Public health, Water analysis, Water pollution.

468-69
ARE FERTILIZERS CREATING POLLUTION PROBLEMS .
G E Smith
Soil Conserv Soc Amer Proc 22:108-114 REF
13 Aug 1967 56.9 SO33P
Fertilizers, Nitrogen, Nutrition, Soil contamination, Tables (data), Water analysis, Water pollution.

469-69
EFFECT OF AGRICULTURE ON NITRATE POLLUTION OF GROUNDWATER.
B A Stewart F G Viets G L Hutchinson
Soil Conserv Soc Amer Proc 22:115-118
13 Aug 1967 56.9 SO33P
Agriculture, Groundwater, Livestock, Nitrates, Research, Toxins, Water analysis, Water pollution.

470-69
NOTE ON THE EFFECT OF WATER ON SOXHLET EXTRACTION OF SOME ORGANOCHLORINE INSECTICIDES FROM SOIL AND COMPARISON OF THIS METHOD WITH THREE OTHERS.
I H Williams
Ass Offic Anal Chem J 51(3):715-717
May 1968 381 AS7
Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, Dieldrin, DDT, Heptachlor, Heptachlor epoxide, Insecticide residues, Methodology, Soil contamination, Water.

RESIDUES

471-69
MONITORING FOR CHLORINATED HYDROCARBON INSECTICIDE RESIDUES IN SOYBEANS- 1966.
Pest Mont J 2(1):58-67
Jun 1968 SB951.A1P41
Chlorine, Crop rotation, Dieldrin, DDT, Endrin, Hydrocarbons, Insecticide residues, Seeds, Soils, Soybeans, Translocation.

472-69
PESTICIDES AND PERSPECTIVE.
T M Barnes
Plant Protect Abs 4:186
Sep 1968 241.75 P69
Chemicals, Crop yields, Food plants, Pesticide residues, Pesticides. Chemistry and Industry, no. 24, June 15, 1968, p.749.

473-69
EXCRETION AND STORAGE OF DIELDRIN IN DAIRY COWS FED THYROPROTEIN AND DIFFERENT LEVELS OF ENERGY.
D G Braund L D Brown J T Huber N C Leeling M J Zabik
J Dairy Sci 52(2):172-182 REF
Feb 1969 44.8 J822
Dairy cattle, Dieldrin, Diet, Energy, Excreta, Food contamination, Pesticide residues, Storage, Thyroprotein.

474-69
DETERMINATION OF ARSENIC IN ORGANIC ARSONATES.
W F Carey
Ass Offic Anal Chem J 51(6):1300-1301
Nov 1968 381 AS7
Arsenic compounds, Assay, Herbicides, Organic compounds.

475-69
PESTICIDE RESIDUE LEVELS IN FOODS IN THE UNITED STATES FROM JULY 1, 1963, TO JUNE 30 1967.
R E Duggan
Pest Mont J 2(1):2-46
Jun 1968 SB951.A1P41
Chemicals, Feed, Food, Legislation, Pesticide residues, Tables (data).

476-69
RAPID CLEANUP FOR CARBARYL, USING CHANNEL LAYER CHROMATOGRAPHY.
L J Jr. Faucheuy
Ass Offic Anal Chem J 51(3):676-678
May 1968 381 AS7
Carbaryl, Chemistry, Chromatography, Insecticides, Pesticide residues.

477-69
DDT RESIDUES ON PASTURE AND IN THE BUTTERFAT OF COWS GRAZING PASTURE TREATED WITH DDT PRILLS AND DDTSUPERPHOSPHATE. (ABSTRACT).
D L Harrison J N Collett C J Christie
Pesticide Progr 5(3):73
May 1967 79.8 P434
Ddt, Dairy cattle, Grazing, Insecticide residues, Insecticides, Milk fat, Pastures, Toxicology. This was author's abstract from New Zealand Jour. Agric. Res. 8(2):223-231. 1965.

478-69
FINDINGS CONCERNING NOURISHMENT AND TOXIC RESIDUES IN PLANTS, OTHER HEALTH HAZARDS AND LIFE THREATS. (GE)
H Itzerott
Gesunde Pflanzen 20(1):15-17
Jan 1968 464.8 G33
Agricultural chemistry, Field crops, Nutrition, Pesticide residues, Poisoning, Public health, Toxicology.

479-69
TOLERANCE AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. O,ODIETHYL S-2-(ETHYLTHIO) ETHYL PHOSPHORODITHIOATE.
J K Kirk
Fed Regist 34(21):1553-1554
31 Jan 1969 L1.451

Agricultural products, Disulfoton, Feed, Forage plants, Insecticide residues, Pesticides, Sorghum.

480-69
EFFECT OF VARIOUS PHYSICAL TREATMENTS ON CERTAIN ORGANOCHLORINE HYDROCARBON INSECTICIDES FOUND IN MILK FAT.
M Kroger
J Dairy Sci 51(2):196-198 REF
Feb 1968 44.8 J822
Chlorinated hydrocarbons, Deodorizing, Dieldrin, Freeze drying, Heat, Heptachlor, Insecticide residues, Milk fat.

Abstract: Drying and mild deodorization treatments were not effective. More severe deodorization reduced the insecticide levels significantly; as did heating at very high temperatures.

481-69
DIELDRIN RESIDUE IN AN ORCHARD-DAIRY AREA OF WISCONSIN.
R J Moubry G R Myrdal H E Halliday
Pest Mont J 2(1):51-54
Jun 1968 SB951.A1P41
Chemical control (insects), Dairy cattle, Dieldrin, Insecticides, Milk, Milk analysis, Orchards, Pesticide residues.

482-69
OFFICIAL FDA TOLERANCES.
Nat Agr Chem Ass News Pesticide Rev 26(3):3-27
Feb 1968 421 AG8
Agricultural regulation, Crops, Fish, Fruit, Meat, Pesticide residues, Pesticides, Poultry, Tolerances, Vegetables.

483-69
THE USE OF GAS CHROMATOGRAPHY IN DETECTING LINDANE IN SEWAGE EFFLUENT.
H A Nelson
U S Agr Res Serv ARS- (70):41
Dec 1968 A41.9 R315AR
Chromatography, Hydrocarbons, Insecticide residues, Lindane, Quantitative analysis, Sewage disposal, Sludge.

484-69
EFFECT OF DDT ON TEMPERATURE SELECTION BY YOUNG ATLANTIC SALMON, SALMON SOLAR. (ABSTRACT).
D M Ogilvie J M Anderson
Pesticide Progr 5(3):76
May 1967 79.8 P434
Ddt, Dosage, Pesticide residues, Salmon, Temperature. This was the authors abstract taken from Jour. Fish. Res. Board of Canada 22 (2): 503-512. 1965.

485-69
AUTOMATED ANALYSIS OF ORGANOPHOSPHORUS INSECTICIDES BY WET DIGESTION-OXIDATION AND COLORIMETRIC DETERMINATION OF THE DERIVED ORTHOPHOSPHATE.
D E Ott F A Gunther
Ass Offic Anal Chem J 51(3):697-708 REF
May 1968 381 AS7
Chromatography, Colorimetry, Crops, Hydrolysis, Insecticide residues, Organophosphorus compounds, Spinach, Strawberries.

486-69
COLLABORATIVE STUDY OF THE THIN LAYER CHROMATOGRAPHIC METHOD FOR CARBARYL RESIDUES IN APPLES AND SPINACH.
N J Palmer W R Benson
Ass Offic Anal Chem J 51(3):679-681
May 1968 381 AS7
Apples, Carbaryl, Chromatography, Insecticides, Pesticide residues, Research, Spinach.

487-69
RESIDUES OF PARATHION AND METHYL-PARATHION IN POTATO TUBERS AND IN THE SOIL, FOLLOWING SOIL TREATMENTS. (FR)
A Polizu M Roman F Manolache Gh Boguleanu T Sapunaru M Peiu
Qualitas Plant Water Veg 15(4):380-386
10 Jul 1968 64.8 M41
Chemical control (pests), Methyl parathion, Parathion, Pesticide residues, Potato-tuber, Precipitation, Soil treatment, Toxins. French and German summary.

488-69
DDT STORAGE IN THE U. S. POPULATION. (ABSTRACT).
G E Quinby W J Hayes J F Armstrong W F Durham
Pesticide Progr 5(3):77
May 1967 79.8 P434
Ddt, Demography, Ethylene, Fats, Humans, Insecticide residues, Storage. This was the author's abstract from Jour. Amer. Med. Assoc. 191:175-179. 1965.

489-69
ISOLATION AND DETERMINATION OF CHLOROHYDRINS IN FOODS FUMIGATED WITH ETHYLENE OXIDE OR WITH PROPYLENE OXIDE.
E P Ragelis B S Fisher B A Klimeck C Johnson
Ass Offic Anal Chem J 51(3):709-715
May 1968 381 AS7
Chlorohydrins, Ethylene oxide, Food, Fumigation, Pesticide residues, Propylene oxide.

490-69
EFFECT OF ATRAZINE ON OATS (AVENA SATIVA VAR. MINHAFER) I AND II. (ABSTRACT).
R H Shimabukuro
Pesticide Progr 5(3):79
May 1967 79.8 P434
Adsorption, Atrazine, Culture media, Insecticide residues, Oats, Plant translocation, Seedlings. This was the author's abstract taken from Diss. Abstr. 26: 2397-2398. 1965.

491-69
EXTRACTION AND CLEANUP PROCEDURE FOR THE DETERMINATION OF ORGANOTHIOPHOSPHATE PESTICIDE RESIDUES IN VEGETABLES AND FRUITS BY THIN LAYER CHROMATOGRAPHY AND GAS LIQUID CHROMATOGRAPHY.
A M S Silva Fernandes T Reis e Sousa M C de Barros
Rev Agron (Lisboa) 50(4):266-274 REF
1967 15.5 R32
Chemistry, Chromatography, Extracts, Fruit, Organic compounds, Pesticide residues, Pesticides, Plant extracts, Thiophosphates, Vegetables. Portuguese summary

492-69
LONG-TERM MOVEMENT OF DDT APPLIED TO SOIL FOR TERMITE CONTROL.
V K Smith
Pest Mont J 2(1):55-57
Jun 1968 SB951.A1P41
Chemical control (insects), DDT, Insecticide residues, Soil analysis, Termites, Translocation.

493-69
ESTABLISHMENT OF TOLERANCES FOR PESTICIDE RESIDUES. (FR)
M J de Sousa Lobo
Rev Agron (Lisboa) 50(4):281-288 REF
1967 15.5 R32
Agricultural products, Dosage, Fumigation, Health, Legislation, Pesticide residues, Tolerances, Toxicity.

494-69
PERSISTENCE OF CHLORINATED HYDROCARBON INSECTICIDE RESIDUES IN CHICKEN TISSUES AND EGGS. (ABSTRACT).
W J Stadelman B J Liska B E Langlois G C Mostert A R Stemp
Pesticide Progr 5(3):80
May 1967 79.8 P434
Chickens, Ddt, Dieldrin, Eggs, Feed, Heptachlor, Insecticide residues, Lindane, Tissues. This was the author's abstract taken from Poultry science 44 (2): 435-437. 1965.

495-69
PARATHION RESIDUE IN CURED ALFALFA.
L L Stitt
Agrichem West 11(9):8,10
Sep 1968 381 AG85
Alfalfa, Chemical control (pests), Curing, Insecticide application, Insecticide residues, Parathion, Sampling.

496-69
PESTICIDE RESIDUES IN OINTMENT BASES OF NATURAL ORIGIN. (GE
H-p Thier
Deut Apoth- Zeitung 108(45):1799-1801 REF
07 Nov 1968 396.8 SU2
Benzene hexachloride, Chlorinated hydrocarbons, Chromatography, Insecticide residues, Oils, Organophosphorus compounds, Plant protection, Toxicology.

497-69
REDUCTION OF PARATHION RESIDUE ON CELERY.
N P Thompson
Sunshine State Agr Res Rep 13(5-6,SEP-NOV):3-4
1968 100 F66SU
Celery, Crop yields, Hydrogen peroxide, Insect pests, Insecticide residues, Parathion, Plant physiology, Plant protection, Potassium hydroxide.

498-69
IMPROVED GLC METHOD FOR S-TRIAZINE RESIDUE DETERMINATION.
R C Tindle C W Gehrke W A Aue
Ass Offic Anal Chem J 51(3):682-688 REF
May 1968 381 AS7
Atrazine, Chromatography, Corn, Herbicides, Pesticide residues, Prometryne, Propazine, Simazine, Soil contamination, Triazines, Water pollution.

499-69
A CONSIDERATION OF INSECTICIDE EFFECTS ON HYPOTHETICAL AVIAN POPULATIONS.
H Young
Ecology 49(5,SUMMER):991-994 REF
1968 410 EC7
Birds, Breeding, Chemical control (insects), Immunity, Insecticide residues, Insecticides, Mortality, Population, Sterility.

500-69
FACTORS INFLUENCING THE SELECTIVITY OF HERBICIDES.
W Van Der Zweep
Wageningen Inst Biol Scheik Ond Landb Med (3):197-204 REF
09 Mar 1967 60.9 W123
Carbamates, Endothal, Herbicides, Pesticide application, Pesticide residues, Plant physiology, Pyrazon plus lenacil, Soils, Sugar beets, Tolerances, Urea. German summary.

TOXICOLOGY

501-69
DRUGS - THEIR USE AND ABUSE.
Pig Farming 16(10):63-69
Oct 1968 46.8 P623
Antibiotics, Biochemistry, Drugs, Research, Toxicology.

502-69
DIELDRIN EFFECTS IN TWO GENERATIONS OF PENNED HEN PHEASANTS.
W L Baxter R L Linder R B Dahlgren
J Wildlife Manage 33(1):96-102
Jan 1969 410 J827

Behaviorism, Chlorinated hydrocarbons, Dieldrin, Eggs, Fertility, Food consumption, Mortality, Pheasants, Physiology, Tables (data).

503-69
HOUSEHOLD INSECTICIDES.
W H Bennett
Pest Contr Oper News 27(8):19-22
Aug 1967 SB951.A1P4
Accident prevention, Chemical control (pests), Household pests, Insect pests, Insecticides, Tables (data), Toxicology. 22 insecticides are listed with their chemical makeup, toxicity, uses, and precautions.

504-69
THE SITUATION REGARDING THE USE OF ALDRIN AND DIELDRIN IN EUROPE. (GE)
F Beran
Pflanzenarzt 20(5):46-49
01 May 1967 464.9 P482
Aldrin, Dieldrin, Insecticides, Legislation. List of permitted and prohibited use of the two insecticides.

505-69
POTENTIATION OF TOXICOLOGY OF SUMITHION BY PHOSPHAMIDON IN THE RAT. (ABSTRACT).
P E Braid M Nix
Excerpta Med Pharm Toxicol 21(11):550
Nov 1968 241.64 EX23
Bayer 41831, Pesticides, Phosphamidon, Rats, Toxicology. From Canadian Journal of Physiology, 1968, 46/2, (133-137).

506-69
SAFE USE OF PESTICIDES.
Pesticide Progr 5(3):68-71
May 1967 79.8 P434
Accident prevention, Lethal factor, Pesticide application, Pesticides, Toxicology. Reprinted from Planter's Bulletin 82: 19-22. 1966.

507-69
THE TOXICITY OF FLY ASH FOR CATTLE. (CZ)
M Ferencik J Kubinec A Mraz M Halasa E Hurtik V Tencer
Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 13(1):37-46 REF
Jan 1968 41.9 C333
Arsenic, Biochemistry, Cattle, Hair, Meat, Milk, Toxins, Viscera. English, Russian, and German summaries

508-69
MACROZAMIA POISONING.
P J Healy
Inst Vet Insp New S Wales Vet Insp Annu 31:33
1967 41.9 IN73
Livestock diseases, Macrozamia, Poisoning, Toxicology.

509-69
THE USE OF ORGANIC TIN COMPOUNDS FUNGICIDES IN AGRICULTURE, LOOKED AT FROM THE TOXICOLOGICAL POINT OF VIEW. (GE)
O R Klimmer
Pflanzenschutzberichte 37(4/6):57-66 REF
Mar 1968 464.9 P48
Agriculture, Antiseptics, Bactericides, Fentin acetate, Fungicides, Organotin compounds, Plant protection, Residues, Toxicology. English summary.

510-69
EFFECTS OF 2,4-D ON EMERGENCE AND SEEDLING GROWTH OF RANGE GRASSES.
G J Klomp A C Hull
J Range Manage 21(2):67-70
Mar 1968 60.18 J82
Agropyron, Bromus, Chemical control (weeds), D, 2,4-, Grasses, Herbicides, Madia, Toxicology.

511-69
SUSPECTED SODIUM FLUOROACETATE POISONING IN SHEEP AND CATTLE.
J W Plant
Inst Vet Insp New S Wales Vet Insp Annu 31:83-86
1967 41.9 IN73
Cattle, Poisoning, Sheep, Sodium fluoroacetate, Toxicology.

512-69
STUDIES OF TOXICITY AND ENZYME ACTIVITY RESULTING FROM INTERACTION BETWEEN CHLORINATED HYDROCARBON AND CARBAMATE INSECTICIDES. (ABSTRACT).
C H Williams J L Casterline K H Jacobson
Excerpta Med Pharm Toxicol 21(11):549-550
Nov 1968 241.64 EX23
Aldrin, Carbamates, Chlordane, Chlorine, Enzymes, Hydrocarbons, Insecticides, Rats, Toxicology. From Toxicology and Applied Pharmacology, 1967, 11/2, (302-307).

PLANT PHYSIOLOGY & BIOCHEMISTRY

513-69
STERILIZATION MAKES THE MOSQUITO HUNGRY.
Plant Protect Abs 4:203-204
Sep 1968 241.75 P69
Culicidae, Insect physiology, Sterilization. New Scientist, vol. 39, no. 604, July 4, 1968, p.23.

514-69
SHIFTS IN DISEASE RESISTANCE INDUCED BY GROWTH REGULATORS.
O M van Andel
Wageningen Landvouw Lab Fytopathol Med (239):113-120 REF
1968 464.04 W12
Cladosporium cucumerinum, Cucumbers, Fungus diseases (plants), Indoleacetic acid, Plant biochemistry, Plant disease resistance, Plant physiology, Plant regulators, Seedlings. Reprint from Neth. J. Pl. Path. 74(1968 Suppl. 1):113-120.

515-69
SHORT-TERM GROWTH RESPONSE TO GROWTH REGULATORS IN ROOTS OF ZEA MAYS.
D E Bottrill J B Hanson
Australian J Biol Sci 21(2):201-208 REF
Apr 1968 442.8 AU72
Corn, D, 2,4-, Indoleacetic acid, Plant anatomy, Plant growth inhibitors, Plant regulators, Roots, Trichlorophenoxyacetic acid, 2,4,6-.

516-69
CHEMICAL AIDS FIGURE IN PLANT PROPAGATORS' REPORTS.
J H Clarke
Amer Nurseryman J 128(11):12,43-50
01 Dec 1968 80 AM371
Chemicals, Nurseries, Pesticides, Picea parryana, Plant biochemistry, Plant cuttings, Plant regulators, Reports.

517-69
EFFECTS OF GIBBERELLIC ACID ON FLOWER THINNING AND BLOOM DELAY OF STONE FRUITS.
J N Corgan
Agrichem West 11(9):6
Sep 1968 381 AG85
Biochemistry, Flowers, Fruit, Fungus diseases (plants), Gibberellic acid, Plant physiology, Plant regulators, Pruning, Spraying, Thinning (fruit).

518-69
MANGANESE TOXICITY IN TOMATO SEEDLINGS.
D J Dennis
New Zeal J Agr 117(4):118-119
Oct 1968 23 N48J
Fertilizers, Lime, Manganese, Plant physiology, Seedlings, Soil analysis, Tissues, Tomatoes, Toxins.

519-69
TRANSLOCATION OF SYSTEMIC FUNGICIDES.
L V Edgington
Plant Protect Abs 4:188-189
Sep 1968 241.75 P69
Biochemistry, Fungicides, Plant physiology, Plant translocation. First International Congress of Plant Pathology, London 14-26 July, 1968.

520-69
NEW DEVELOPMENTS IN HYBRID BARLEY RESEARCH.
A E Foster
Northwest Crop Produc Conf Rep 1967 MEETING:34-36
1967 464.9 N813
Barley, DDT, Plant breeding, Plant genetics, Plant injuries.

521-69
INHIBITION OF PHOTOSYNTHETIC ELECTRON TRANSPORT BY IOXYNIL.
J Friend R Olsson
Nature 214(5059):942-943
27 May 1967 472 N21
Biochemistry, Broadbeans, Chloroplasts, Electron transport, Herbicides, Hill reaction, Ioxynil, Leaves, Oxygen, Photosynthesis, Research.

522-69
EFFECT OF BORON TOXICITY ON SOME LEAF CONSTITUENTS IN GROUNDNUT (ARACHIS HYPOGAEA, LINN.) PLANTS.
N H Gopal I M Rao
Andhra Agr J 15(1):21-24 REF
1968 34.2 AN4
Boron, Chlorosis, Leaves, Micronutrients, Peanuts, Plant biochemistry, Plant physiology.

523-69
GROWTH OF SCLEROTIUM ROLFSII AT DIFFERENT CONCENTRATIONS OF OXYGEN AND CARBON DIOXIDE.
D M Griffin N G Nair
J Expt Bot 19(61):812-816
Nov 1968 450 J8224
Atmosphere, Carbon dioxide, Cowpeas, Diffusion, Fungus diseases (plants), Gases, Oxygen, Plant regulators, Sclerotium rolfsii.

524-69
MORPHOLOGICAL CHANGES IN WHEAT CAUSED BY THE ACTION OF CHLORCHOLINCHLORIDE-CCC. (SE)
R Grupce R Lozanovski A Gudevski E Lozinska
Agrohemija (516):175-181 REF
1968 385 AG87
Biochemistry, Chloroethyl)trimethylammonium chloride, (2-, Dosage, Fertilizers, Nitrogen, Plant morphology, Plant physiology, Research, Wheat. English summary.

525-69
THE CULTURE OF PHYTOPHTORA INFESTANS ON FULLY SYNTHETIC CULTURE MEDIUM SUBSTRATA. (GE)
H Henniger
Zeitsch Allg Mikrobiol 3(2):126-135 REF
May 1963 QR1.Z4
Agar, Biochemistry, Culture media, Fungi, Growth factors, Microbiology, Phytophthora infestans, Substrates.

526-69
CONCURRENT MICROSCOPICAL, CYTOCHEMICAL AND ELECTRON MICROSCOPICAL STUDY ON THE CELL POLARITY OF EQUISETUM SPORE MOTHER CELLS IN SYNDETIC STAGE.
T Hiraoka
Koto Univ Fac Sci Mem Ser Biol (N S)1(1):1-7 REF
Oct 1967 QH301.K9
Cells, Chemistry, Cytology, Electron microscopes, Equisetum, Microscopy, Research, Spores.

527-69
THE INFLUENCE OF PLANT-GROWTH FACTORS ON THE INITIATION AND GROWTH OF CROWN-GALL TUMOURS ON PRIMARY PINTO BEAN LEAVES.
M D E Khalifa J A Lippincott
J Expt Bot 19(61):749-759 REF
Nov 1968 450 J8224
Agrobacterium tumefaciens, Beans, Biochemistry, Crown galls, Kidney beans, Leaves, Plant physiology, Plant regulators.

528-69
GROWTH OF PLANTED CHESTNUT TREES (CASTANEA CRENATA) IN RELATION TO SOIL NUTRIENTS IN KOREA. (CH)
C M Kim
Seoul Univ J Biol Agr Ser (b) (SER B)18:1-9 REF
Sep 1967 442.9 SO84
Castanea, Plant nutrition, Plant physiology, Soil analysis. English summary

529-69
EFFECT OF SEVERAL GROWTH REGULATORS AND TEMPERATURE TREATMENT TO RICE SEED ON THE GERMINATION AND INITIAL GROWTH OF SEEDLING.
K H Kim H S Sohn E W Lee
Seoul Univ J Biol Agr Ser (b) (SER B)18:83-96 REF
Sep 1967 442.9 SO84
Cold, Herbicides, Plant physiology, Plant regulators, Rice, Seed germination, Seed treatment. Chinese summary

530-69
GA INCREASES TANGELO YIELDS.
A H Krezdorn
Sunshine State Agr Res Rep 13(5-6,SEP-NOV):16
1968 100 F66SU
Biochemistry, Crop yields, Gibberellic acid, Plant regulators, Pollination, Research, Tangelos.

531-69
EFFECT OF GIBBERELLIC ACID ON GAMMA IRRADIATED BARLEY SEEDS.
S Kumar
Indian J Genet Plant Breeding 27(1):154-156 REF
Mar 1967 64.8 IN2
Barley, Chromosomes, Gamma rays, Gibberellic acid, Irradiation, Plant genetics, Plant injuries, Plant regulators, Seedlings.

532-69
EFFECT OF ECDYSONE ON THE PUPARIUM FORMATION IN IRRADIATED EPHESTIA KUHNIELLA Z.
A M Kuzin I K Kolomijtseva N I Yusifov
Nature 217(5130):743-744
24 Feb 1968 472 N21
Deoxyribonucleic acid, Ecdysone, Ephestia, Gamma rays, Insect physiology, Pupae, Ribonucleic acid, X-rays.

533-69
EFFECT OF NITROGEN, SILICON AND THEIR INTERACTION ON THE AGRONOMIC CHARACTERS IN PADDY RICE.
C Lee E Woong
Seoul Univ J Biol Agr Ser (b) (SER B)18:97-117 REF
Sep 1967 442.9 SO84
Chemical reactions, Crop yields, Nitrogen, Plant physiology, Rice, Silicon. Chinese summary

534-69
IDENTIFICATION OF GIBBERELLINS IN CRUDE PLANT EXTRACTS BY COMBINED GAS CHROMATOGRAPHY-MASS SPECTROMETRY.
J MacMillan R J Pryce G Eglinton A McCormick
Tetrahedron Lett (24):2241-2243
Jun 1967 385 T29
Biochemistry, Chromatography, Gibberellins, Plant extracts, Scarlet runner beans, Seedlings, Spectrometry.

535-69
STUDY OF THE INTERACTION OF GROWTH RETARDANTS AND A VIRUS ON THE GROWTH OF PRUNUS PERSICA LINE GF 305.
C Marenaud
Plant Protect Abs 4:194
Sep 1968 241.75 P69
Peaches, Plant growth inhibitors, Plant physiology, Research, Virus diseases (plants). Meeting of the Academy of Agriculture of France, 23 Nov. 1966.

536-69
STUDIES ON WHEAT PLANTS USING 14C-LABELLED COMPOUNDS. XXII. INCORPORATION INTO WHEAT PROTEIN.
W B McConnell
Can J Biochem 47(1):19-23 REF
Jan 1969 470 C16E
Amino acids, Arginine, Carbon isotopes, Glutamic acid, Glutamine, Micronutrients, Plant biochemistry, Plant physiology, Plant proteins, Proline, Succinic acid, Wheat.

537-69
INFLUENCE OF SOME AMINOTRIAZINE HERBICIDES ON SOME SOIL FUNGI. (IT)
M Mickovski O Verona
Pisa Univ Ist Patol Veg Microbiol Agr Tec (mem) (500,MAR-APR):67-76
1967 464.9 P67
Atrazine, Carbon, Herbicides, Nitrogen, Prometryne, Simazine, Soil fungi. English summary. extract from Italian Agriculture .

538-69
EFFECT OF HORMONES ON THE SUGAR LEVEL OF MAIZE (ZEA MAYS L.) PLANTS.
R V Misra H Shanker A N Pathak
Madras Agr J 55(4):182-185 REF
Apr 1968 22 M262
Biochemistry, Corn, Gibberellic acid, Hormones, Plant physiology, Seed treatment, Sucrose, Sugars.

539-69
EFFECT OF SOIL FERTILITY ON THE DISTRIBUTION OF PLANT COMMUNITIES AS SHOWN BY POT CULTURES AND FIELD TRIALS.
B N Richards
Commonwealth Forest Rev 47(133):200-210 REF
Sep 1968 99.8 EM72
Greenhouse culture, Plant geography, Plant physiology, Plants, Soil fertility, Soils.

540-69
INHIBITION OF FLOWERING IN HYOSCYAMUS NIGER BY 6-AZAURACIL WITHOUT SUPPRESSION OF STEM GROWTH.
F Seidlova K Krekule L Teltschcrova
Nature 214(5093):1146-1147
10 Jun 1967 472 N21
Biochemistry, Cells, Hyoscyamus, Leaves, Photoperiodism, Plant abnormalities, Plant growth inhibitors, Plant physiology, Pyrimidines, Reproduction, Uracils.

541-69
STUDIES ON THE MECHANISM OF INJURIOUS EFFECTS OF TOXIC GASES ON CROP PLANTS. I. RELATION BETWEEN THE CONCENTRATION OF SULFUR DIOXIDE AND THE DEGREE OF LEAF INJURIES IN SEVERAL CROPS.
T Taniyama H Arikado
Crop Sci Soc Jopon Proc 37(3):366-371 REF
Sep 1968 22.5 C88
Alsike clover, Barley, Dactylis, Fumigation, Gases, Plant injuries, Research, Rice, Sulfur dioxide, Tobacco, Toxins. English summary.

542-69
EFFECTS OF GIBBERELLIN ON PHOTOSYNTHESIS IN RED CLOVER (TRIFOLIUM PRATENSE L.).
K J Treharne J L Stoddart
Nature 220(5166):457-458
02 Nov 1968 472 N21
Absorption, Gibberellins, Leaves, Photosynthesis, Plant biochemistry, Plant hormones, Red clover, Tables (data).

543-69
ON THE ANTIBIOTICALLY ACTIVE SUBSTANCES OF THE TULIP (TULIPA GESNERIANA). (GE)
R Tschesche F J Kammerer G Wulff F Schonbeck
Tetrahedron Lett (6):701-706
Feh 1968 385 T29
Antibiotics, Fungicides, Hydrolysis, Lactones, Plant biochemistry, Plant disease resistance, Tulipa.

544-69
THE STATUS OF SOME MICRONUTRIENTS IN HEALTHY ROBUSTA BANANA PLANTS.
I T Twyford D Walmsley
Trop Agr &st Augustine& 45(4):307-315 REF
Oct 1968 26 T754
Bananas, Boron, Copper, Diagnosis, Iron, Manganese, Micronutrients, Plant nutritional deficiencies, Plant physiology, Plant translocation, Zinc.

CHEMISTRY

545-69
COLLABORATIVE STUDY OF MICROBIOLOGICAL ASSAY OF OXYTETRACYCLINE IN FEEDS.
D C Jr. Billman H Clark
Ass Offic Anal Chem J 51(3):548-552
May 1968 381 AS7
Antibiotics, Biological assay, Chemistry, Feed, Microbiology, Oxytetracycline, Research.

546-69
GUIDE TO THE ANALYSIS OF PESTICIDE RESIDUES.
H P Burchfield
5(3):63-64
May 1967
Assay, Manuals, Pesticide residues.

547-69
MONO-ETHERS OF 2,2'-DIHYDROXYDIPHENYL SULFONE AND METHOD OF MAKING THE SULFONE AND MONO-ETHERS. PATENT 3,408,402.
R H Callighan J O Hawthorne E L Mihelic
Us Patent Office Offic Gaz 855(5):1371
29 Oct 1968 156.65 OF2
Bactericides, Chemistry, Dihydroxydiphenyl sulfone, 2,2'-, Dyes, Ethers, Patents.

548-69
MONITORING THE ENVIRONMENT.
Pesticide Progr 5(3):64-66
May 1967 79.8 P434
Chemical control (pests), Chlorinated hydrocarbons, Pesticide residues, Pesticides.

549-69
COLLABORATIVE STUDY OF AN ULTRAVIOLET METHOD FOR MEASURING DIQUAT CONTENT IN FORMULATIONS.
A A Carlstrom
Ass Offic Anal Chem J 51(6):1304-1305
Nov 1968 381 AS7
Diquat, Formulations, Herbicides, Quantitative analysis, Ultraviolet rays.

550-69
COLLABORATIVE STUDY OF A COLORIMETRIC METHOD FOR PARAQUAT IN FORMULATIONS.
A A Carlstrom
Ass Offic Anal Chem J 51(6):1306-1309
Nov 1968 381 AS7
Colorimetry, Formulations, Herbicides, Paraquat.

551-69
QUINOLINE DERIVATIVES: PART XIX. POTENTIAL AMOEBICIDAL AGENTS.
S S Chakravarti U P Basu
Indian J Appl Chem 30(5-6):170-172 REF
1967 385 IN293
Amoeba, Chemical control (pests), Chemicals, Hydroxyquinoline, Thiazole.

552-69
CAROTENOID COMPOUNDS. PATENT 3,408,406.
A J Chechak C D Robeson
Us Patent Office Offic Gaz 855(5):1372
29 Oct 1968 156.65 OF2
Carotenoids, Chemicals, Chemistry, Color, Feed, Patents, Poultry.

553-69
PROCESS FOR PREPARING BIS-(3,5,6-TRICHLORO-2-HYDROXYPHENYL) METHANE. PATENT 3,408,408.
J W Drew W E Rosen
Us Patent Office Offic Gaz 855(5):1372
29 Oct 1968 156.65 OF2
Chemistry, Methylenebis(3,4,6-trichlorophenol), 2,2'-, Patents, Processing.

554-69
PEROXIDASE ISOZYMES IN BARLEY LEAVES FROM IRRADIATED SEEDS.
M Giacomelli
Nature 213(5082):1265-1266
25 Mar 1967 472 N21
Barley, Enzymes, Irradiation, Leaves, Peroxidases, Plant physiology, Radiobiology, Research, Seeds.

555-69
PROCESS FOR PRODUCING OXYTETRACYCLINE ANTIBIOTIC. PATENT 3,408,258.
A Grein R Barchielli
Us Patent Office Offic Gaz 855(5):1346
29 Oct 1968 156.65 OF2
Antibiotics, Chemistry, Fermentation, Oxytetracycline, Patents, Processing, Streptomyces henetus.

556-69
INSECT RESISTANT THERMOPLASTIC COMPOSITIONS. PATENT 3,408,323.
R J Hackney
Us Patent Office Offic Gaz 855(5):1360
29 Oct 1968 156.65 OF2
Insecticide resistant insects, Insecticides, Insects, Patents, Plastics, Polymers, Thermochemistry.

557-69
COLLABORATIVE STUDY OF THE ULTRAVIOLET SPECTROPHOTOMETRIC DETERMINATION OF SULFOXIDE IN FORMULATIONS.
J B Haus L Manolev
Ass Offic Anal Chem J 51(3):562-564
May 1968 381 AS7
Chemistry, Pesticides, Research, Spectrophotometry, Sulfoxides, Ultraviolet rays.

558-69
SEPARATION OF PENICILLINS BY PAPER AND THIN LAYER CHROMATOGRAPHY.
H Hellberg
Ass Offic Anal Chem J 51(3):552-557 REF
May 1968 381 AS7
Antibiotics, Chromatography, Penicillin.

559-69
FIRST REPORT OF THE REGULAR LIMNOLOGICAL SURVEY OF LAKE BIWA (OCT. 1965-DEC. 1966) V. ABIOTIC ENVIRONMENT.
S Horie
Koto Univ Fac Sci Mem Ser Biol (N S)1(1):95-119
Oct 1967 QH301.K9
Environment, Limnology, Reports, Surveys, Time.

560-69
NOTE ON AFLATOXIN M,: OPTICAL AND X-RAY CRYSTALLOGRAPHIC DATA.
F T Jones K S Lee
Ass Offic Anal Chem J 51(3):610
May 1968 381 AS7
Aflatoxin, Chemistry, Crystallography, X-rays.

561-69
COLORIMETRIC METHOD FOR THE DETERMINATION OF DICHLOROVOS(DDVP).
S B Kadkol
Journeyman Boker 4(3):123
Oct 1967 389.8 J823
Chemical reactions, Chemistry, Colorimetry, Dichlorvos, Methodology.

562-69
THE DOSAGE OF THE INSECTICIDES: DDT, HCH AND METHOXYCHLOR FOR CHROMATOGRAPHY ON A THIN LAYER AND FOR POLAROGRAPHY. (POL
A Kotarski K Mosinska
Chem Anal 12(2):329-338 REF
1967 385 C4233
Benzene hexachloride, Chemical analysis, Chromatography, DDT, Dosage, Insecticides, Methoxychlor, Polarography, Tables (data). French summary.

563-69
COLLABORATIVE STUDY OF GAS CHROMATOGRAPHIC ANALYSIS OF HEPTACHLOR CONTENT OF FORMULATIONS.
M Malina
Ass Offic Anal Chem J 51(3):565-568
May 1968 381 AS7
Chemistry, Chromatography, Gases, Heptachlor, Pesticides, Research.

564-69
THE OUTER LAYER OF THE CELL ENVELOPE OF HALOBACTERIUM HALOBIUM.
C L Marshall A J Wicken A D Brown
Can J Biochem 47(1):71-74 REF
Jan 1969 470 C16E
Assay, Bacteria, Biochemistry, Cell wall, Cells, Chemistry, Halobacterium halobium, Proteins, Ribonucleic acid.

565-69
ADSORPTION OF MALEIC ACID ON MERCURY-ELECTROLYTE INTERFACE AND THE PROBLEM OF PRECEDING SURFACE RECOMBINATION.
L Pospisil J Kuta
Collect Czech Chem Commun 33(9):3040-3044
Sep 1968 385 C68
Adsorption, Chemical reactions, Electrolytes, Kinetics, Maleic acid, Mercury compounds, Succinic acid, Surface-active agents. Translated from Czech by K. Micka.

566-69
THE IN VITRO AND IN VIVO OXIDATION AND HYDROLYSIS OF MALATHION BY WHEAT GRAIN ESTERASES. (ABSTRACT).
D G Rowlands
Pesticide Progr 5(3):78
May 1967 79.8 P434
Culture media, Esterases, Hydrolysis, Malathion, Oxidation, Wheat. This was the author's abstract taken from Jour. Sci. Fd. Agr. 16 (6): 325-330. 1965.

567-69
DETERMINATION OF FLUORINE IN FEEDS BY THE FLUORIDE ION ACTIVITY ELECTRODE.
L Torma B E Ginther
Ass Offic Anal Chem J 51(6):1181-1183
Nov 1968 381 AS7
Chemistry, Electrodes, Feed, Fluorides, Fluorine, Food analysis, Ions.

568-69
PERMISSIVE CHEMICAL.
S Vlantes
Brewers J 103(1220):97
May 1967 390.8 B753
Alcoholic beverages, Chemicals, Diethylpyrocarbonate, Fermentation, Inhibitors, Legislation, Malt.

569-69
O,O-DIISOPROPYL-ETHYLSULFINYL-METHYL-DITHIOPHOSPHATE. PATENT 3,408,426.
T Yamamoto S Kobayashi K Nakatomi S Takahashi H Ueda M Kondo
Us Patent Office Offic Gaz 855(5):1374
29 Oct 1968 156.65 OF2
Chemistry, Diisopropyl-ethylsulfinylmethyl-dithiophosphate, O,O-, Insecticides, Patents.

ENGINEERING

570-69
CONCENTRATE SPRAYING.
J Shimmon
Agrichem West 11(9):16,18,20
Sep 1968 381 AG85
Economics, Industry, Nozzles, Particle size determination, Spraying equipment.

571-69
FOR SAFER ULV SPRAYING.
D B Smith E C Burt
Farm Chem 131(10):62,64
Oct 1968 57.8 AM3
Dosage, Equipment, Insecticides, Spraying, Toxins.

INDUSTRY

ECONOMICS

572-69
MOLDED FROM WOOD FIBERS, NEW FAMILY OF PRODUCTS FOR VARIETY OF MARKETS.
P E Caron
Wood Wood Prod 74(9):24-26,44
Sep 1968 99.82 W856
Economics, Furniture, Industry, Marketing, Resins.

573-69
APPARENT SAP VELOCITIES IN BIG SAGEBRUSH AS RELATED TO NEARBY ENVIRONMENT.
G F Gifford
J Range Manage 21(4):266-268
Jul 1968 60.18 J82
Artemisia, Environment, Physiology, Research, Sap, Velocity, Weed control.

574-69
FARMERS' EXPENDITURES FOR CUSTOM PESTICIDE SERVICE IN 1964.
R Jenkins T Eichers P Andrilenas A Fox
USDA Agr Econ Rep (146):24P MAP
Oct 1968 A281.9 AG8A
Economics, Fertilizer application, Herbicides, Methodology, Pesticide application, Surveys, Tables (data).

575-69
RECIPE FOR MODERN HANDLING.
B A Marvin
Cranberries 7-10
Nov 1968 80 C852
Cranberries, Equipment, Industrial management, Marketing research.

576-69
THE 'LOCAL ANGLE'.
J L Taylor
Ext Serv Rev 39(7):3
21 Jul 1968 I EX892EX

577-69

Agricultural administration, Agricultural outlook, Crop yields, Equipment, Farming methods, Rural development.

EDUCATION

577-69
PEST CONTROL, EDUCATION, AND THE NEW BREED.
R J Pence
Pest Contr Oper News 27(8):12-13
Aug 1967 SB951.A1P4
Education, Management, Nomenclature, Pest control, Pesticide application, Pesticides.

REGULATIONS

578-69
FEDERAL REGISTRATION REQUIREMENTS FOR PESTICIDE PRODUCTS.
H G Alford
Northwest Crop Produc Conf Rep 1967 MEETING:3-6
1967 464.9 N813
Agricultural regulation, Pesticides.

579-69
CROP AND LIVESTOCK DEPREDATION REDUCED BY WILDLIFE SERVICES DAMAGE CONTROL PROGRAMS.
Anonymous
Calif Cattleman 51(10):25
Nov 1968 43.8 C12
Crop losses, Field crops, Livestock, Livestock diseases, Orchards, Poultry, Predatory animals.

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